



PHASE II SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) STORMWATER MANAGEMENT PROGRAM

Prepared for:

City of Lawton



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1.0 STORMWATER MANAGEMENT EXECUTIVE SUMMARY

The City of Lawton (City) is subject to the requirements of the Oklahoma Department of Environmental Quality (ODEQ) Phase II Small Municipal Separate Storm Sewer System Discharges within the State of Oklahoma General Permit No. OKR04, issued June 1, 2021, which sets the requirements and conditions for stormwater discharges from a small municipal separate storm sewer system (MS4) to surface waters in the state.

The City previously developed and implemented a stormwater management program (SWMP) to comply with the original OKR04 General Permit for Stormwater Discharges from MS4s issued on February 8, 2005. The City submitted a Notice of Intent (NOI), SWMP, and other required permit documents and received authorization under the general permit. This permit expired on February 9, 2010 but was administratively continued pending re-issuance. On October 1, 2015, the ODEQ reissued permit OKR04 with an effective date of November 1, 2015. Existing permittees were required to submit a permit application for the permit by February 1, 2016. The City submitted a NOI and SWMP and received authorization under the reissued permit. The City's SWMP was further updated and adopted by the City in 2015 and again in 2020.

This document describes the City's SWMP to protect water quality from stormwater runoff throughout the City and serves as the City's documentation of intended compliance with the current OPDES Small MS4 General Permit. The City is classified as a Category 3 MS4 under the reissued ODEQ OPDES Small MS4 General Permit. Three categories of MS4 entities are identified in the Small MS4 General Permit, with increasing responsibilities at each level.

This program documents 40 best management practices (BMPs) that the City already has implemented or will implement over the next five years to meet the minimum requirements of the Small MS4 General Permit. The City has identified these BMPs as being cost-effective approaches to protect water quality, recognizing the importance of protecting our natural and financial resources. A five-year implementation, maintenance, and documentation approach is contained within this SWMP.

The objective of the SWMP is to provide a program that the City can implement to reduce the discharge of pollutants with stormwater flows to the maximum extent practicable (MEP). This plan was originally developed with much coordination between the City and community to result in a program for the City that not only meets state and federal program requirements but also utilizes current activities, addresses issues that are important to the community, and is economically feasible. Updates to previous versions of the SWMP were incorporated to increase the effectiveness and efficiency of the BMPs identified in the plan.

1.1 Background

Stormwater affects the quality of water in urban lakes, rivers, neighborhood creeks, and storm drains. Pollutants (e.g., pesticides, oil, detergents, and bacteria) present on urban land and impermeable surfaces (e.g., streets and parking lots) can be transported by stormwater runoff into stormwater drainage systems. These drainage systems, both natural and man-made, convey the stormwater runoff away from urban areas and into nearby water bodies.

In order to protect water quality, it is necessary to identify the types and sources of pollution and implement plans to protect the City's water resources. Historically, waters have been protected through state and federal regulation of "point sources" or end-of-pipe sources of pollution. Over time, it has become more evident that overland runoff sources of pollution, such as urban stormwater runoff, can create serious problems in waterways and impact the community's quality of life.

1.2 **Stormwater Regulations**

Under the requirements of the Clean Water Act (CWA), the U.S. Environmental Protection Agency (EPA) is required to protect the water quality for natural waters throughout the country. The EPA established the National Pollutant Discharge Elimination System (NPDES) program to identify sources of water pollution and work to reduce or eliminate the pollutants from waters of the U.S. The EPA has delegated responsibility for the NPDES program in Oklahoma to the ODEQ, who administers the OPDES. In addition to issuing discharge permits to traditional "point sources," such as municipal wastewater treatment plants and industrial wastewater discharges, the ODEQ

is also responsible for minimizing pollution from other sources, such as stormwater runoff from construction sites, industrial facilities, and some stormwater drainage systems. For construction sites and industrial facilities, the Oklahoma DEQ issued requirements for minimizing stormwater pollution within general permits specific to those industries, which typically require development and implementation of site-specific stormwater pollution prevention plans.

1.2.1 Municipal Separate Storm Sewer System (MS4) General Permit

In most areas of the country, storm drainage systems are separate from sanitary sewer systems and are thereby classified as "separate storm sewer systems." Separate storm sewer systems include ditches, curbs, gutters, storm sewers, and similar means of collecting or conveying runoff that do not connect with a wastewater collection system or treatment facility before discharging into water bodies. A "municipal separate storm sewer system" (or MS4) is a system owned or operated by a public agency like a city, flood control district, county, or state agency.

In 1999, the EPA issued NPDES regulations to protect stormwater quality in small MS4s (known as Phase II MS4s) within US Census identified urban areas (UAs). The ODEQ, who was delegated the responsibility of implementing the stormwater quality regulations, finalized the initial Small MS4 General Permit (officially named OPDES General Permit No. OKR04) on February 8, 2005. This OPDES permit, commonly called the "Small MS4 General Permit", has a five-year term but has been extended administratively each of the first two permit terms while ODEQ negotiated with EPA over the renewed permit conditions. The renewed Small MS4 General Permit became effective on June 1, 2021 and has a five-year permit term. The City is one of more than 50 cities, counties, and other public entities subject to ODEQ's Small MS4 General Permit.

1.2.2 Stormwater General Permit for Construction Activity

The ODEQ regulates stormwater discharges from most construction activity through OPDES Permit No. OKR10. For construction sites disturbing one acre or more, a stormwater pollution prevention plan (SWPPP) must be developed, and site controls must be installed, such as silt fence, inlet protection, and a stabilized construction site entrance, to minimize the discharge of

sediment and other pollutants from the construction site. When construction is complete and the site is re-vegetated or otherwise stabilized, the control measures may be removed.

Small MS4s do not have direct responsibility to inspect and enforce construction sites for compliance with the requirements of the ODEQ Construction General Permit (CGP), but requirements do exist for small MS4s to require proper erosion control measures to be installed and maintained on construction sites, including the implementation of an ordinance. Many small MS4 cities reference the ODEQ CGP in a development ordinance for compliance consistency, and the 2021 Small MS4 General Permit provides a specific allowance for regulated MS4s to reference the ODEQ CGP to demonstrate their own compliance with construction site related oversight requirements.

The City is required to obtain a construction general permit for any city construction activity, which disturbs one or more acres of land in accordance with conditions of the ODEQ CGP (OPDES General Permit No. OKR10) covering eligible stormwater and certain types of non-stormwater discharges to surface water in the state.

1.2.3 Stormwater Multi-Sector General Permit for Industrial Activity

The ODEQ regulates stormwater discharges from developed sites in certain industrial classifications through OPDES General Permit No. OKR05. Sites operating in certain identified industrial sectors are required to develop, implement, and maintain a SWPPP for operations at the facility. These industrial sectors have been identified by EPA and ODEQ as high potential sources of significant stormwater pollutants, and as a result, the implementation of BMPs is required to protect water quality from stormwater runoff pollution. Types of BMPs for industrial facilities range from covered storage of materials to staff training. Ongoing stormwater monitoring of wet weather events is required to observe and test for stormwater pollution.

Cities that are small MS4s often have their own facilities subject to the industrial stormwater permit. Municipal landfills, wastewater treatment plants, and municipal airports are common city facilities that must comply with the industrial stormwater permit. Each of these facilities is required to be documented within the MS4's SWMP. Category 3 MS4s are also required to

develop and implement a program to inspect and enforce stormwater quality runoff protection from industrial facilities that discharge to the MS4. This would be expected to include facilities subject to the industrial stormwater permit, although it also may include additional facilities determined by the MS4 to have high potential for stormwater pollution.

A SWPPP has been prepared for activities at the Lawton Municipal Landfill (Permit Number OKR050266), located at 8902 Southwest 11th Street, and the Lawton Wastewater Treatment Plant (Permit Number OKR053840), located at 8104 Southeast 15th Street, in Lawton, Comanche County, Oklahoma, as required for compliance with the requirements of the OPDES Stormwater General Permit relating to stormwater discharge associated with industrial activity.

1.3 Permit Applicability and Coverage

The City has updated this SWMP to comply with the requirements of the renewed Small MS4 General Permit. This permit applies to operators of publicly owned storm sewer systems in UAs in Oklahoma and authorizes the City to discharge stormwater runoff from their stormwater drainage system. The U.S. Census Bureau defines the UAs based on a population density of 1,000 people per square mile and a total population of at least 50,000, irrespective of political boundaries. UAs represent densely developed areas and encompass residential, commercial, and other non-residential urban land uses. The City is located within the City of Lawton U.S. Census UA as shown in Figure 1.

The SWMP encompasses the City's MS4 area to the City limit boundaries. The SWMP includes BMPs that will be implemented by the City to reduce stormwater pollution to the maximum extent practicable (MEP), as regulations require. This document serves as the City's SWMP.

1.4 <u>City of Lawton</u>

The City is the county seat of Comanche County in southwestern Oklahoma. The City's economic base is mainly dependent on military operations at the adjacent Fort Sill Military Reservation but also includes manufacturing, higher education, health care, and retail trade industries. The City

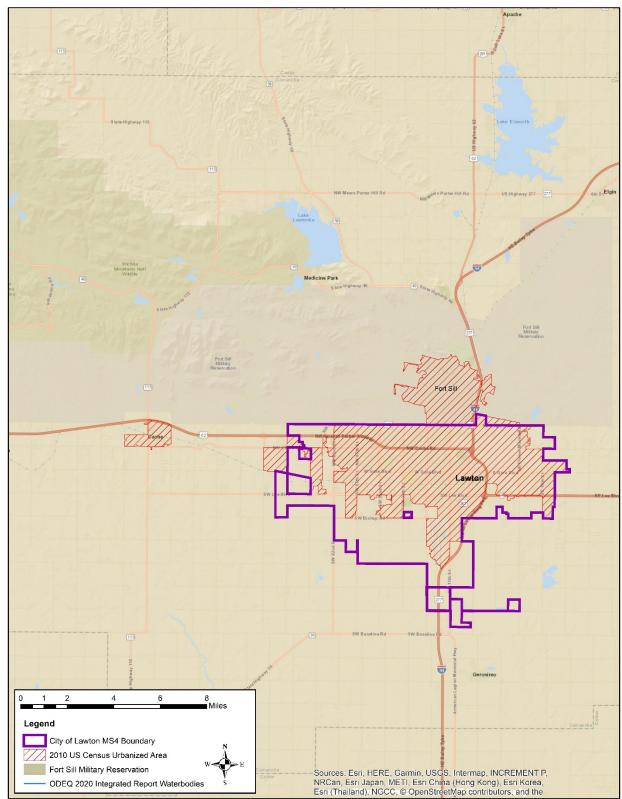


Figure 1. City of Lawton MS4 Boundary and Urbanized Area

of Lawton encompasses approximately 81.43 square miles, with about 57.72 square miles located within the City's MS4 boundary (not located on Fort Sill Military Reservation) (Figure 1).

Potential sources of pollutants are stormwater runoff from the urbanized area of the City from application of lawn care chemicals and fertilizers, construction activity, pet waste and other impervious surfaces. The primary means of control of discharges containing pesticides and nutrients to the MS4 will be by a public education/involvement program to inform the public about adverse environmental impacts from overuse and misuse of these chemicals. Information on the proper use, reduction, and safe alternatives for these chemicals will also be distributed to the community. The main effort to control the discharge of organic pollutants to the MS4 will be through the detection and elimination of illicit domestic sewage discharges to the MS4.

The governing members of the City are responsible for the protection of life and property within their jurisdictions. They are authorized to coordinate, finance, and oversee stormwater quality programs. Implementation of the stormwater management program has been assigned to the City of Lawton Public Works Department, Stormwater Management Division.

The Stormwater Management Division is comprised of one Environmental Specialist that serves as the Stormwater Manager, one Associate Engineer that completes plan reviews and issues Earth Change Permits, and one Stormwater Inspector that inspects all permitted stormwater sites and illicit discharge complaints.

2.0 WATER QUALITY

2.1 Overview of Water Quality Assessments in Oklahoma

The ODEQ is charged through federal mandate with protecting the quality of waters within Oklahoma. The ODEQ's approach to this mandate includes measuring water quality at locations across the state, determining if the quality in streams, lakes, and creeks is acceptable, and implementing plans to clean up water bodies that are impacted.

The OWRB Oklahoma Water Quality Standards are rules designed to establish goals for water quality throughout the state and provide a basis for regulatory programs to attain those goals. Water quality standards serve to signal a situation where water quality may be inadequate to meet the use or uses of a particular water body. General categories for water use, known as "beneficial uses", are defined in Oklahoma:

- Public and Private Water Supplies
- Emergency Public and Private Water Supplies
- Fish and Wildlife Propagation
- Agriculture
- Primary Body Contact Recreation
- Secondary Body Contact Recreation
- Navigation
- Aesthetics
- Fish Consumption

Water Quality Standards for the beneficial uses listed above can be found in the Oklahoma Administrative Code (OAC) 785:45-5-10 (Public and Private Water Supplies), 785:45-5-12 (Fish and Wildlife Propagation), OAC 785:45-5-13 (Agriculture: Livestock and Irrigation), OAC 785:45-5-17 (Secondary Body Contact Recreation), and OAC 785:45-5-19 (Aesthetics).

Major surface water bodies in the state have been classified with site-specific beneficial uses in Title 785, Chapter 45 of the Oklahoma Administrative Code (785) OAC §45), but many smaller water bodies have not been classified and do not have site-specific beneficial uses. All unclassified surface water bodies without site-specific beneficial uses are protected by the "general narrative criteria" defined in 785 OAC §785-5.

The ODEQ divided water bodies into "segments" to provide the basic unit for assigning site-specific standards and for applying water quality management programs. All classified water bodies and some smaller unclassified water bodies have been assigned a unique segment identification code (ODEQ Water Quality Standards ID). However, many water bodies in the state have not been assigned an ODEQ Water Quality Standards ID.

Because it would be impractical to test every water body for all possible pollutants, assessments of water quality in Oklahoma are performed by evaluating indicators of water quality. Indicators are an indirect measure of the health or quality of a particular part of the aquatic system. Some indicators, such as the health of fish communities, are tied to specific beneficial uses, while others, such as nutrients, are not. Some of the most common indicators used by ODEQ to determine the quality of water bodies include bacteria, dissolved oxygen, dissolved solids, metals, and organic substances.

If the indicator data published in the 2018 Oklahoma Integrated Report of Surface Water Quality (the 2018 Oklahoma Integrated Report) reveal that water quality is inadequate to meet the goals of the water body's beneficial use, the ODEQ identifies the water body as an impaired water in a section of the 2018 Oklahoma Integrated Report called the 303(d) list. The 303(d) list is required by the CWA and is submitted to EPA for approval. Water bodies added to the list are subject to a Total Maximum Daily Load (TMDL) assessment, which is an assessment of the root cause of poor water quality. An Implementation Plan (I-Plan) developed by local stakeholders to remediate pollution sources usually accompanies the TMDL.

For the purpose of this permit, a water body is impaired if it has been identified, pursuant to the latest ODEQ and EPA approved CWA 303(d) lists or the 2018 Oklahoma Integrated Report for CWA Sections 305(b) and 303(d). Additionally, water bodies with concerns for non-attainment or screening levels are identified within the 2018 Oklahoma Integrated Report and can be useful to evaluate potential sources of impairments.

2.2 Water Quality in City of Lawton

The Small MS4 General Permit requires that the classified segment(s) that first receive(s) the City's stormwater discharges, either directly or indirectly, be identified. For the purposes of this evaluation, the MS4 is considered to be directly discharging to a receiving water if the waterbody is the first water of the U.S. receiving stormwater discharges from a regulated MS4 outfall. Indirect stormwater discharges include all stormwater flows outside of the MS4 boundary and segments downstream of the direct receiving water.

There are several water bodies that receive discharges from the City's MS4. These receiving waters include:

- Numu (Squaw) Creek
- Wolf Creek
- East Branch Wolf Creek
- Middle Branch Wolf Creek
- West Branch Wolf Creek
- Unnamed Tributary to Wolf Creek
- East Cache Creek
- Wratton Creek
- Tributary A of East Cache Creek
- Tributary B of East Cache Creek
- Ninemile Creek
- Pecan Creek

Wolf Creek (OK311300020040_00) is listed as impaired on the 303(d) list for benthic macroinvertebrate bioassessments indicating a significantly degraded assemblage of benthic macroinvertebrates in the waterbody during bioassessments.

The impaired segment listed above, as well as unclassified water bodies that receive stormwater discharges before reaching the classified segment, are displayed within Figure 2 and summarized below in Table 1. While the MS4 is discharging directly to an impaired segment, the BMPs identified in this SWMP were selected to be protective of the known and unknown impairments in receiving waters. Discharges into Wolf Creek may be subject to additional permit requirements as outlined in Sections 3.2 and 4.4.

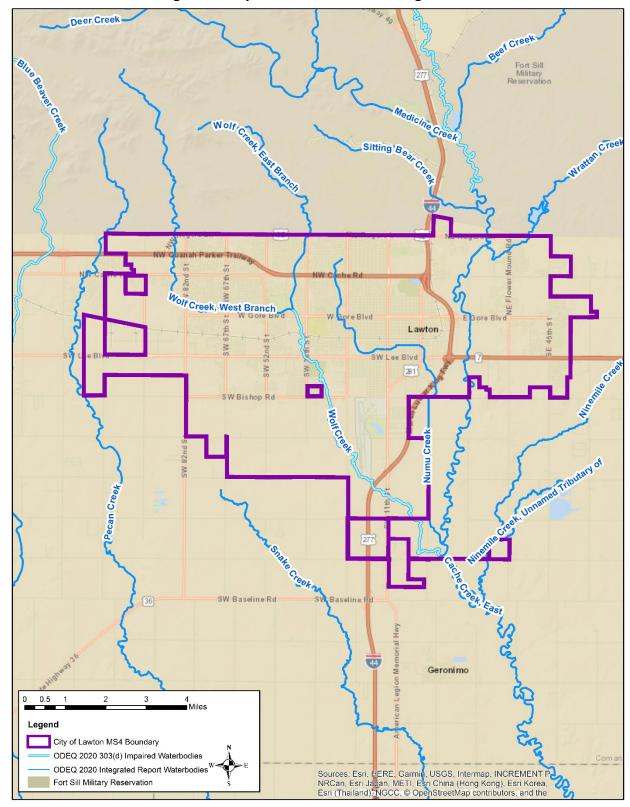


Figure 2. City of Lawton MS4 Receiving Waters

Table 1. Receiving Water Information

Name of Receiving Waterbody	Is this waterbody impaired? If so, what are its impairments?	Is there a TMDL for that impairment?
Numu (Squaw) Creek	□-Yes ⊠-No	□-Yes ⊠-No
Wolf Creek	⊠-Yes □-No Benthic macroinvertebrates	□-Yes ⊠-No
East Branch Wolf Creek	□-Yes ⊠-No	□-Yes ⊠-No
West Branch Wolf Creek	□-Yes ⊠-No	□-Yes ⊠-No
East Cache Creek	□-Yes ⊠-No	□-Yes ⊠-No
Wrattan Creek	□-Yes ⊠-No	□-Yes ⊠-No
Tributary A of East Cache Creek	□-Yes ⊠-No	□-Yes ⊠-No
Tributary B of East Cache Creek	□-Yes ⊠-No	□-Yes ⊠-No
Ninemile Creek	□-Yes ⊠-No	□-Yes ⊠-No
Pecan Creek	□-Yes ⊠-No	□-Yes ⊠-No

3.0 SMALL MS4 GENERAL PERMIT OVERVIEW

The City is required to update this SWMP and describe specific actions that will be completed over a five-year period to reduce pollutants and protect the City's stormwater quality. This SWMP also sets measurable goals and provides a schedule for the implementation of BMPs over the next five years. The Small MS4 General Permit divides MS4 operators into one of three categories based on the population served within the 2010 UA. The level of a small MS4 may change during the permit term based on the MS4 operator acquiring or giving up regulated area, such as by annexing or de-annexing. However, the level of a small MS4 will not change during the permit term based on population fluctuation. The three categories are described below:

Category 1

Operators of traditional small MS4s that serve a population of less than 10,000 within an UA.

Category 2

Operators of traditional small MS4s that serve a population of greater than or equal to 10,000, but less than 50,000, within an UA, or a population greater than or equal to 10,000 but less than or equal to 100,000 with a population density greater than or equal to 1,000/square mile or more outside of an UA.

Category 3 (City of Lawton)

Operators of traditional small MS4s that serve a population of greater than or equal to 50,000 within an UA.

3.1 <u>Minimum Control Measure Summary</u>

Various BMPs must be developed for the minimum control measures (MCMs) that are expected to minimize or eliminate stormwater pollutants discharge into the storm sewer system and provide water quality protection for receiving water bodies. Five MCMs are required for all MS4s and a sixth MCM is required for Category 3 MS4s. An optional seventh MCM to address municipal construction activities through their SWMP is available for use by the City but has not been selected for inclusion in this SWMP. Specific requirements according to small MS4 level have been developed by the ODEQ for each MCM, and the general description of the MCMs are

provided below. The City is required to conduct an annual review and make updates to the SWMP, as necessary, and record changes in annual report. The BMP Activities and Documentation List (Appendix A) and the BMP Implementation Sheets (Appendix B) are designed to summarize all activities within the SWMP. A general description of each MCM is provided below:

A. <u>Public Education and Involvement</u> – Assess and modify existing elements, and develop and implement new elements, as necessary, for a public education and outreach program regarding stormwater quality issues and to reduce the discharge of pollutants from the MS4 to the MEP. The program involves the target audience including public employees, businesses, and the public with implementation of the program.

In summary, this MCM requires the following program goals for all MS4 levels:

- 1. Include education and involvement efforts for target audiences.
- 2. Public education and involvement activities shall be conducted as outlined in Table V-2 and may include public involvement and educational activities listed in Table V-1. Table V-2 and V-1 are from the OPDES General Permit No. OKR04 provided in Appendix C.
- 3. Include a process by which public comments on SWMP are received and reviewed by the person(s) responsible for the SWMP.
- 4. Comply with state and local public notice requirements when implementing your program.
- 5. You must make your records, including NOI and SWMP, available to the public.
- 6. If you discharge to waters identified on the latest 303(d) list of impaired waters, your program must be directed toward targeted groups of commercial, industrial, and institutional entities likely to have significant stormwater impacts on your impaired waters.
- B. <u>Industrial Stormwater Runoff Control</u>— Category 3 MS4s shall implement and enforce a program to prevent or reduce pollutants in any stormwater runoff to your MS4 from independently-owned industrial activities that discharge into to your small MS4. AT a minimum, the program requirements shall be consistent with the OKR05 General Permit for Stormwater Discharges from Industrial Activities (OKR05).

In summary, this MCM requires the following program goals for all Category 3 MS4s:

- 1. Maintain and annually update a list of industrial facilities that are subject to OKR05, or individual OPDES or NPDES permits for discharges of stormwater associated with industrial activity, that ultimately discharge to your small MS4.
- 2. Implement and enforce an ordinance, or other regulatory mechanism, to the extent allowable under state or local law, to require BMPs that will minimize exposure, provide good housekeeping, preventative maintenance, spill prevention and response, and erosion and sediment controls, as well as sanctions to ensure compliance. Review and revise your existing ordinance to meet permit requirements.
- 3. Implement and enforce procedures for site inspection and enforcement of control measures, including enforcement escalation procedures for recalcitrant or repeat offenders. Document inspection findings and take all necessary follow-up actions (i.e., re-inspection, enforcement) to ensure site compliance. At minimum site inspections shall be conducted at the frequencies outlined in Table V-3 from the OPDES General Permit No, OKR04 provided in Appendix C.
- C. <u>Illicit Discharge Detection and Elimination (IDDE)</u> Assess and modify existing elements, and develop and implement new elements, as necessary, for a program to detect, investigate, and eliminate illicit discharges into the small MS4. The program involves the creation of ordinances that prohibit non-stormwater discharges to the MS4, except those outlined as allowable non-stormwater discharges in the current Phase II MS4 permit and provides the City the authority to perform inspections and enforce the requirements through sanctions or other enforcement mechanisms for continued reduction of pollutants in MS4 discharge to the MEP. If necessary, new elements will be implemented by the end of the permit term.

In summary, this MCM requires the following program goals for all MS4 levels:

 Identify priority areas including areas with higher likelihood of illicit connections or discharges (e.g., areas with older sanitary sewer lines or with a history of sewer overflows or cross-connections; areas with older infrastructure that arere ore likely to have illicit connections; areas of industrial, commercial, or mixed use; areas with a history of past illicit discharges; areas with history of illegal dumping or citizen

- complaints; and areas that discharge to (ARCs or ORWs). Update priority list to reflect changing priorities annually.
- 2. Trace or investigate the source of an illicit discharge. The investigation shall take place within 72 hours of the receipt of any complaints, reports or monitoring information that indicates a potential illicit discharge.
- 3. Remove the source of illicit discharge.
- 4. Identify problems using visual indicators and simple field test kits. Laboratory methods can be reserved for situations where you have identified a problem and need to enforce on a suspect illicit discharger.
- At minimum, DWFS (Dry Weather Field Screening) shall be conducted at the frequency outlined in Table V-4 from OPDES General Permit No. OKR04 provided in Appendix C.
- 6. Implement and enforce an ordinance, or other regulatory mechanism, to the extent allowable under state or local law, to effectively prohibit illicit discharges into your small MS4 and implement appropriate enforcement procedures and actions.
- 7. Maintain and annually update a storm sewer system map showing the locations of all outfalls and the names and locations of all waters of the state that receive discharges from those outfalls.
- 8. Maintain and annually update a list of occasional incidental non-stormwater discharges or flows as allowed in Part II(B)(2) from the OPDES General Permit No. OKR04 provided in Appendix C that will not be addressed as illicit discharges.
- D. <u>Construction Site Stormwater Runoff Control</u> Assess and modify existing elements, and develop and implement new elements, as necessary, for a program to continue reducing illicit discharges from small and large construction activities. Develop and maintain an ordinance or other regulatory mechanism that allows for City enforcement of the receipt and collection of information, such as stormwater plans and reports and to enter and inspect private property related to stormwater discharges to the small MS4 and prohibits the discharge of wastewater from washout of concrete and wastewater from water well drilling operations, unless managed by an appropriate control; wastewater from washout and cleanout of stucco, paint, from release oils, and other construction materials; fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance; soaps or solvents used in vehicle

and equipment washing; and discharges from dewatering activities, including discharges from dewatering of trenches and excavations, unless managed by appropriate BMPs. The program at minimum shall be consistent with OKR10 General permit for Stormwater Discharges from Construction Activities.

In summary, this MCM requires the following program goals for all MS4 levels:

- 1. Implement and enforce an ordinance, or other regulatory mechanisms, to the extent allowable under state or local law, to require erosion and sediment controls as well as sanction to ensure compliance. Review and revise your existing ordinance to meet the permit requirements.
- Implement and enforce procedures for site plan review which incorporate
 consideration of potential water quality impacts including erosion and
 sediment controls, controls of other wastes, and any other impacts that must
 be examined according to the requirements of the local ordinance or other
 regulatory mechanism.
- 3. Implement and enforce procedures for site inspection and enforcement of control measures including enforcement escalation procedures for recalcitrant or repeat offenders. Document inspection findings and take all necessary follow-up actions (i.e., re-inspection, enforcement) to ensure site compliance. At a minimum, site inspection shall be conducted at the frequencies outlined in Table V-5 from OPDES General Permit No. OKR04 provided in Appendix C.
- E. Post Construction Stormwater Management in New Development and Redevelopment Assess and modify existing elements, and develop and implement new elements, as necessary, for a program to control stormwater discharges from new development and redeveloped sites that disturb one acre or more, to reduce the discharge of pollutants into the MS4 to the MEP. Develop and maintain an ordinance or other regulatory mechanism that allows for City enforcement of post-construction controls and the receipt and collection of information, such as stormwater plans and reports, and to enter and inspect private property related to stormwater discharges to the small MS4. Additionally, the program must maintain pre-development runoff conditions and ensure that controls are in place that would prevent or minimize water quality impacts.

In summary, this MCM requires the following program goals for all MS4 levels:

- Implement and enforce ordinance, or other regulatory mechanism, to the
 extent allowable under state or local law, to require the use of BMPs, with
 highest preference given to LID (Low Impact Development) techniques and
 practices, to address post-construction runoff from new development and
 development projects.
- 2. Implement and enforce procedures, such as ordinances or other regulatory mechanisms, to ensure adequate long-term operation and maintenance of BMPs that are installed during and left in place after the completion of a construction project. Maintenance may be conducted by the MS4 or by the owner/operator of the BMP(s). For this part, the owner/operator is the party with control over operational and maintenance activities of the BMP(s), including homeowner associations (HOAs), commercial and industrial entities. Owner of individual residential properties, which serve as the owner's primary residence, may be excluded.
- 3. Review local ordinances, regulations, and engineering plans or specifications to identify any legal/regulatory barriers to LID as well as opportunities to promote LID. Develop a schedule to remove those barriers and implement identified opportunities. If a barrier is not removed or an opportunity is not implemented, provide a justification.
- 4. Assess current street design, parking lot guidelines, and other requirements that affect the creation of impervious cover and implement additional guidelines or design standards to support LID design options. Provide justification if additional guidelines are not implemented.
- F. <u>Pollution Prevention and Good Housekeeping for Municipal Operations</u> Assess and modify existing elements, and develop and implement new elements, as necessary, for an operation and maintenance program for municipal operations to continue the reduction of discharge of pollutants from the MS4 to the MEP.

In summary, this MCM requires the following program goals for all MS4 levels:

- 1. Maintain and annually update an inventory of all your MS4 operations that are impacted by this program.
- 2. Maintain and annually update a list of industrial facilities you own or operate that are subject to the OKR05, or individual OPDES or NPDES permits for discharges of stormwater associated with industrial activity, that ultimately discharge to your small MS4. Include the authorization number of a copy of the industrial NOI form for each facility.

- 3. Implement and enforce procedures for controlling, reducing, or eliminating the discharge of pollutants. At minimum, you must proceed as follows:
 - 1) Require implementation of BMPs, including sediment and erosion controls during:
 - Routine maintenance
 - Water line breaks and emergency repairs, and
 - After line breaks, emergency repairs, and routine maintenance have been completed. Stabilization measures shall be implemented within fourteen (14) calendar days of completion.
 - 2) Ensure that vehicles wash waters are not discharged into the MS4 or waters of the State.
- 4. Implement and comply with procedures to ensure that new flood management projects are assessed for impacts on water quality.
- 5. Any contractor hired to preform maintenance activities on MS4 facilities must be contractually required to comply with all your stormwater control measures, good housekeeping practices and facility-specific stormwater management operating procedures. The MS4 shall provide oversight to ensure these contractual obligations are met.
- 6. Implement and enforce procedures for inspection and maintenance of structural and non-structural BMPs, including maintenance activities, maintenance schedules and long-term inspection procedures for controls to reduce floatables and other pollutants discharged to your small MS4. At a minimum, inspections shall be conducted at the frequencies outlined in Table V-6 from the OPDES General Permit No. OKR04 provided in Appendix C.
- G. Optional Permit Requirements for Municipal Construction Activities Develop program for construction activities as an alternative to the small MS4 operator seeking coverage under the permit where the City meets the definition of construction site operator. This optional MCM requires development of a detailed plan addressing how the City's construction activities will meet construction stormwater permit requirements. The City has elected not to implement this MCM for this permit term.

3.2 Impaired Waters and Total Maximum Daily Load Summary

In addition to the MCM requirements, the renewed permit describes required actions if a regulated MS4 discharges a pollutant of concern to an impaired water body or discharges into a water body that is part of a watershed with an approved TMDL, regardless of if the water body itself is impaired. For the administration of this permit, a watershed boundary is considered as it is defined by the TMDL requirements and/or I-Plan. Not all regulated MS4s discharge into an impaired water body, and thus these requirements do not apply to all regulated entities. If a regulated MS4 discharges a pollutant of concern to an impaired water body with an established TMDL, the regulated MS4 must be consistent with the approved TMDL in order to be eligible for coverage by the Small MS4 General Permit. The TMDL process includes an intensive assessment of the root cause of poor water quality, a determination of the maximum pollutant loading allowable while still meeting water quality use standards, and development of a plan by local stakeholders to remediate pollution sources. The City does not currently discharge to a receiving water with an approved TMDL.

For MS4s discharging a known pollutant of concern into impaired water bodies, their SWMP must include information on the implementation of "targeted controls", which are activities, practices, or structural controls that focus on reducing the water quality impact of the specific pollutant. For each targeted control, a measurable goal, implementation schedule, and "benchmark" must be established. A benchmark is a quantifiable goal designed to assist in determining if the targeted controls are effective in addressing the pollutant. The exceedance of a benchmark does not indicate a permit violation; it does, however, help in the evaluation of the progress towards reducing pollutant discharges.

Section 4.4 addresses the City's specific actions to control the discharge of pollutants of concern to impaired waters and evaluate the progress of controlling those pollutants.

3.3 **Program Development Summary**

Existing City programs and activities that protect the City's stormwater quality were identified and are included in the SWMP as applicable. These programs and activities will be supplemented

with several new BMPs to provide additional protection of stormwater quality as required by the Small MS4 General Permit. Many activities were performed to support the initial Stormwater Management Plan Development for the City and are provided below:

- Review of existing stormwater program information provided by the City
- Review of the City's existing stormwater mapping information
- Performed Water Quality Data Review
- Conducted meeting of the Stormwater Stakeholders Group
- Reviewed City facilities

3.3.1 Stormwater Stakeholders Group

The Stormwater Stakeholders Group for the City consists of six citizens who represent a broad cross section of the City's constituency. The stakeholders included two City Council members, an insurance and lending representative, a developer, and a floodplain resident. Meetings were conducted at City Hall. The meetings reviewed BMP summaries for each minimum control measure and a discussion of the applicability of each BMP to the City.

3.3.2 City Facility Review

A review of City facilities was conducted. The following facilities were visited to consider stormwater BMPs needed at each facility:

- Lawton Public Works Complex Includes salt storage facilities, vehicle services maintenance garage, vehicle services car wash, fuel dispensing area as well as other city services buildings.
- Wastewater Treatment Plant

3.3.3 No Jeopardy Consultation for Endangered Species

The Fish and Wildlife Service's Oklahoma Aquatic Resources of Concern for Federal & State Listed Species was referenced to determine if City stormwater discharges, allowable non-stormwater discharges, and discharge related activities are not likely to adversely affect listed species or critical habitat. The Oklahoma Department of Wildlife Conservation maps state that no State-specific listed species exist in Comanche County. Therefore, the City meets the Endangered Species eligibility under Criterion A, which states "Based on the evaluation, the permittee has determined that there is no reason to believe the discharge and discharge related activities are

likely to adversely affect any listed species or result in the adverse modification or destruction of critical habitat."

3.3.4 Program Updates

An implementation schedule and measurable goals to track the implementation progress have been developed for each of the BMPs in this SWMP. Each BMP was selected based on the projected effectiveness in protecting stormwater quality and its ability to aid in compliance with permit conditions.

The implementation schedule and measurable goals were selected so new stormwater program activities will be steadily phased in over the permit term. The City will review the implementation progress each year and modify the SWMP as necessary.

The BMP Activities and Documentation List (Appendix A) and the BMP Implementation Sheets (Appendix B) are designed to summarize all activities within the SWMP. They identify each BMP with activity descriptions, how it meets specific permit requirements, responsible City departments, measurable goals, implementation schedules, and documentation needs over the five-year permit period. Appendix A lists the BMPs by permit requirement. The subsequent appendices provide reference material and help serve as a toolbox to keep the SWMP updated as required. Section 4 details the SWMP development process.

4.0 COMPLIANCE APPROACH

The City developed this SWMP to comply with OPDES requirements for stormwater discharges and certain non-stormwater discharges. The SWMP is intended to aid in the City's efforts to reduce stormwater pollutants from the City's storm sewer system to the MEP as required by the Small MS4 General Permit.

The SWMP describes specific actions that will be taken over this permit term to reduce pollutants and protect the City 's stormwater quality. The specific activities to be implemented are referred to as BMPs. Various BMPs have been developed for each of the required MCMs. The SWMP also sets measurable goals and provides a schedule for the implementation of the BMPs. Implementation of the selected BMPs is expected to result in a reduction of pollutants discharged into City's streams, ponds, and lakes.

The BMP Activities and Documentation List (Appendix A) has been developed to demonstrate compliance in one location with descriptions, measurable goals, implementation and maintenance schedules, and documentation needs for the BMPs the City as implemented or will implement. Appendix A will serve as the summary of written procedures describing how the permittee will implement the provisions in Parts V and VI of the Small MS4 General Permit. BMP Implementation Sheets (Appendix B) are provided to allow the City to record specific implementation activities for each BMP. In addition to Appendices A and B, the City will develop specific compliance guidance for the day-to-day operations of its SWMP. The compliance guidance documentation will provide greater specificity for the activities the City will conduct to address the compliance requirements and the documentation that will be maintained to demonstrate compliance through the annual report.

The City will annually review the SWMP and the implementation procedures for MCMs 1 through 6 and update as necessary. Refer to Section 5.3 Program Updates for the identification of all applicable reporting requirements related to Notice of Change (NOC).

4.1 <u>Best Management Practice Selection Process</u>

The City assessed existing program elements set forth in the previous permit, modified as necessary, and developed and implemented necessary new elements to continue reducing the discharge of pollutants from the MS4 to the MEP. As a result, BMPs described in the previous permit were kept, modified, or replaced, as necessary.

4.1.1 <u>Assessment of Existing BMPs</u>

The City has historically implemented various BMPs intended to protect stormwater quality. An important aspect of developing an effective, compliant, and cost efficient SWMP is to account for the existing programs that are efficiently benefitting water quality. Likewise, a successful SWMP involves modifying or eliminating inefficient or ineffective existing BMPs. As such, one of the initial steps of the assessment process, which included meetings with staff from City departments, involved modifying or eliminating BMPs.

4.1.2 <u>Identification of Additional BMPs</u>

The second step identified additional BMPs that would meet requirements of the permit and protect water quality to the MEP. Additional BMPs were selected to supplement the City's existing programs and to satisfy unmet requirements of the Small MS4 General Permit. The additional BMPs were evaluated based on their ability to meet at least one, and preferably several, of the MCM requirements.

The evaluation process involved researching a variety of sources of BMPs, such as regulatory agencies, industry associations, and private enterprises. Some of the additional BMPs were selected directly from standard BMP "toolboxes" available from the EPA, while others were tailored to the specific needs of the City. Each BMP considered was evaluated based on the following criteria:

- Which of the minimum control measure requirements does the BMP meet?
- How does the BMP fit into the City's existing goals, operations, and activities?
- What is the anticipated effectiveness of the BMP?
- What is the general cost range to implement the BMP?

Specific costs for the BMPs were not identified during the development of this SWMP; however, BMPs with significant investment requirements and relatively minor stormwater quality benefit were not selected. More detailed budget requirements will be evaluated, as needed, during the implementation of the BMP.

4.2 <u>Selection Process for Measurable Goals and Implementation Schedule</u>

Specific measurable goals have been developed for each BMP. In accordance with the permit requirements, measurable goals have been developed to evaluate the success of the City 's SWMP toward reaching the goal of protecting water quality and reducing pollutants to the MEP. Goals were selected with a consideration toward achieving steady implementation, assessing the ability to measure and track progress, and working within budgetary constraints. In general, measurable goals for existing BMPs monitor the effectiveness of the BMP, whereas measurable goals for new BMPs monitor their implementation progress.

The ODEQ has authorized the steady implementation of new BMPs over a multi-year period. For new BMPs, the first year of the permit program is largely dedicated to identifying the approach to implement each activity. The second through fifth years focus on implementation, evaluating the effectiveness of existing BMPs, and tracking the implementation of new BMPs. For existing BMPs, the first year of the permit term is largely dedicated to continuing and evaluating the existing activities.

4.3 Measurable Goal Evaluation Process

The selected measurable goals for each BMP will be evaluated on an annual basis. Implementation of each BMP will be tracked as appropriate during each permit year in order to provide documentation of the BMP activities. Relative success at achieving the measurable goals, as well as an assessment of the effectiveness of each BMP, will also be evaluated on an annual basis.

Multiple City departments are responsible for implementing portions of the SWMP and for tracking and evaluating the City's success in meeting the program's measurable goals. Each City

department with activities or responsibilities that may impact stormwater quality will maintain documentation showing progress towards meeting the annual measurable goals for each BMP and make this information available to the person designated for SWMP coordination.

4.4 Targeted Controls for Impaired Water Bodies

As summarized in Section 2.2 and Table 1, the City's MS4 discharges stormwater to impaired water bodies. Therefore, the SWMP is required to include focused BMPs with corresponding measurable goals related to Part II.D.4. of the permit (Impaired Water Bodies) as included in the BMPs identified in Appendices A and B. BMPs 15, 17, and 18 target illicit discharges and illegal dumping that can have the most impact to these high priority areas. Increased priority will be given to areas along Wolf Creek listed on the 303(d) list (from Gore and NW 44th Street to Pecan and Railroad). While the MS4 is discharging directly to an impaired segment, all of the BMPs identified in this SWMP were selected to be protective of both these known impairments and any unknown impairments in receiving waters.

4.5 Legal Authority and Regulatory Mechanism

The City, in accordance with the general permit conditions of Part V, Section A, will review and revise, if needed, its relevant ordinance(s) or other regulatory mechanism(s), or adopt a new ordinance(s) or other regulatory mechanism(s) that provide the City with adequate legal authority to control pollutant discharges into and from its small MS4 in order to meet the requirements of this general permit. The City's legal authority will be reviewed to address the following:

- 1. Authority to prohibit illicit discharges and illicit connections;
- 2. Authority to respond to and contain other releases Control the discharge of spills, and prohibit dumping or disposal of materials other than stormwater into the small MS4:
- 3. Authority to require compliance with conditions in the City's ordinances, permits, contracts, or orders;
- 4. Authority to require installation, implementation, and maintenance of control measures;

- Authority to receive and collect information, such as stormwater plans, inspection reports, and other information deemed necessary to assess compliance with this permit, from operators of construction sites, new or redeveloped land, and industrial and commercial facilities;
- Authority, as needed, to enter and inspect private property including facilities, equipment, practices, or operations related to stormwater discharges to the small MS4;
- 7. Authority to respond to non-compliance with BMPs required by the small MS4 consistent with their ordinances or other regulatory mechanism(s);
- 8. Authority to assess penalties, including monetary, civil, or criminal penalties; and
- 9. Ability to enter into interagency or interlocal agreements or other maintenance agreements, as necessary.

4.6 <u>Assessment of Allowable Non-Stormwater Discharges</u>

In accordance with the requirements of the Small MS4 General Permit, the following non-stormwater discharges will be assessed in order to determine whether they are known to be significant contributors of pollutants to the City 's water bodies:

- 1. Diverted stream flows;
- 2. Uncontaminated discharges from riparian areas and wetlands;
- 3. Uncontaminated ground water or spring water;
- Residential building wash waster that does not use detergents, solvent, and/or soaps;
- 5. Uncontaminated pumped ground water;
- 6. Uncontaminated ground water infiltration;
- 7. Uncontaminated discharges from potable water sources including water line flushing and fire hydrant flushing;
- 8. Foundation drains;
- 9. Air conditioning condensate;
- 10. Water from crawl space pumps;
- 11. Footing drains;
- 12. Residential, non-commercial, and charity car washing;
- 13. Uncontaminated and dechlorinated swimming pool discharges that do not violate Oklahoma DEQ Oklahoma Surface Water Quality Standards;

- 14. Street wash water, including wash water generated from the washing of other impervious surfaces such as sidewalks and parking lots, that does not use detergents, solvents, and/or soaps;
- Discharge in compliance with a sperate Oklahoma Pollutant Discharge Elimination System (OPDES) or National Pollutant Discharge Elimination System (NPDES) permit;
- 16. Discharges of gray water from municipal splash pads (aka, spray parks or spray grounds), as defined in 27A O.S. § 2-6-107, unless otherwise permitted or regulated by DEQ, provided the discharges comply with all applicable municipal or county ordinances enacted pursuant to law (discharge from recirculating systems shall be dechlorinated; and
- 17. Discharge or flows from emergency firefighting activities or training activities that are not taking place at a permanent facility, provided procedures are in place for the Incident Commander, Fire Chief, or another on-scene firefighting official in charge to make an evaluation regarding potential releases of pollutants from the scene.

Measures must be taken to reduce any such pollutant release to the MEP subject to all appropriate actions necessary to ensure public health and safety. These procedures must be documented in your SWMP. Non-stormwater discharges are authorized under the following conditions.

- Discharges are insignificant source of pollutants to your small MS4 because of the nature
 of the discharges to occur (e.g., charity car washes with appropriate controls, proximity
 to sensitive waterbodies).
- Document in your SWMP any local controls or conditions placed on discharges.
- Includes a provision in your SWMP prohibiting an individual non-stormwater discharge that is determined to be contributing significant amounts of pollutants to your MS4.

5.0 RECORDKEEPING AND REPORTING

5.1 Recordkeeping

The City will maintain all records, a copy of the Small MS4 General Permit and all data used to complete the NOI for this permit, for a period of at least three years, or for the term of this permit, whichever is longer. A current, up-to-date copy of the SWMP and a copy of the general permit requirements will be maintained at City offices.

Additionally, the City will make the compiled records, including the NOI and SWMP, publicly accessible through posting on the City's website. The City will post the NOI and SWMP on the website. For changes to the SWMP requiring public notice, the City will post the Director's preliminary determination of the Notice of Change (NOC) and the revised terms of the SWMP on the City's website per the specifications outlines in Section 5.3.

5.2 **Annual Report**

The City will submit an annual update report to the Oklahoma Department of Environmental Quality, Water Quality Division. The annual report must be submitted by March 1st of the following fiscal year since the SWMP was implemented on a calendar year basis (January 1st through December 31st).

The annual report will summarize the City's actions to address the requirements listed in the Small MS4 General Permit. Generally, the update report will document the stormwater-related activities for the previous year, evaluate and analyze the success of each BMP and targeted controls relative to their measurable goals, and discuss plans for the upcoming year, including modifications to the SWMP. Modifications may include replacement of BMPs, alteration of the implementation schedule, or other changes allowed by the permit.

5.3 Program Updates

This program may be updated by the City at any time. When considering eliminating a BMP, the information in Appendix A is recommended to be reviewed to determine if the removal of the

BMP will result in non-compliance for any of the MCMs. This would occur, for example, if the BMP is the only BMP that provides compliance for a specific permit provision. In such a case, the BMP would need to be replaced with a new BMP that continues to meet the relevant permit requirement.

5.4 Reference Material

Several sources of information are available for use in the maintenance and update of the SWMP. Each of these resources are recommended for additional information about alternative BMP options.

- The EPA has developed an electronic stormwater management BMP Toolbox specifically for use by small MS4 regulated entities. It contains a list of BMPs for each minimum control measure. It can be accessed at: https://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater#edu.
- The Center for Watershed Protection offers a good resource for publications and on-line documentation regarding stormwater quality at http://www.cwp.org/.

6.0 **DEFINITIONS**

The following are definitions to key words or phrases that are used throughout this SWMP. The definitions are taken directly from the renewed OPDES General Permit No. OKR04.

Aquatic Resource of Concern (ARC) is a waterbody which contains habitat for federally listed (by the U.S. Fish and Wildlife Service) or state listed (by the Oklahoma Department of Wildlife Conservation) endangered or threated aquatic species.

Best Management Practice (BMP) is the schedule of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the state. BMPs also include treatment requirements, operating procedures, and practices to control runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

Construction Site Operator means, for the purpose of this permit and in the context of stormwater associated with construction activity, any party or parties associated with a construction project that meets either or the following criteria:

- 1. The party must have operational control over construction plans and specifications, including that ability to make modifications to those plans and specifications (e.g., owner)
- 2. The party must have day-to-day operational control of those activities at a project that are necessary to ensure compliance with a stormwater pollution plan (SWPPP) for the site or other permit conditions (e.g., general contractor of the property).

In addition, "owner" refers to the party that owns the structure being built. Ownership of the land where construction is occurring does not necessarily imply the property owner is an operator (e.g., a landowner whose property is being disturbed by construction of a gas pipeline or a landowner who allows a mining company to remove dirt, shale, clay, sand, gravel, etc. from a portion of his property) This definition is provided to inform permittees or DEQ's interpretation of how the regulatory definitions of "operator" and "facility or activity" are applied to discharges of stormwater associated with construction activity.

Control Measure refers to any BMP or other method used to prevent or reduce the discharge of pollutants to waters of the state.

Clean Water Act (CWA) [33 U.S.C. 1251 et seq.] (formerly referred to as the Water Pollution Control Act or Federal Water Pollution Control Act Amendments of 1972) Pub. L. 92-500, as amended, Pub. L. 95-211, Pub. L. 95-576, Pub. L. 96-483, and Pub. L. 97-117.

Director means the Executive Director, chief administrator, or an authorized representative of the Department of Environmental Quality.

Discharge, when used without a qualifier, refers to "discharge of a pollutant" as defined at 40 CFR § 122.2.

Illicit Discharge is defined at 40 CFR § 122.26(b)(2) and refers to any discharge to a municipal separate storm sewer that is not composed entirely or stormwater, expect discharges authorized under an OPDES or NPDES permit (other than the OPDES permit for discharges from the MS4) and discharges resulting from firefighting activities.

Impaired Water is a water which does not meet one of more of its beneficial uses due to not attaining applicable narrative or numeric water quality standards. Impaired waters are identified in the CWA section 303(d) listing from Appendix C of the most recent Integrated Report. Impaired waters include both waters with approved established TMDLs, and those for which TMDL has not yet been approved or established.

Large Common Plan of Development or Sale means an area where multiple separate and distinct land disturbing activities may be taking place at different times, on different schedules, but under one proposed plan. This plan consists of many small construction projects that collectively add up to one or more acres of total disturbed land. For example, an original common plan of development of a residential subdivision might lay put the streets, house lots, and areas for parks, schools, and commercial development that the developer plans to build or sell for development. All these areas would remain part of the commercial plan of development or sale until the intended construction is completed.

Low Impact Development (LID) is an approach to land development (or re-development) that works with nature to manage stormwater as close to its source as possible. LID employs principles such as preserving and recreating natural landscape features, minimizing, effective imperviousness to create functional and appealing site drainage that treats stormwater as a resource rather than a waste product.

Maximum Extent Practicable (MEP) – is the technology-based discharge standard for Municipal Sperate Storm Sewer Systems (MS4s) to reduce pollutants in stormwater discharges that was established by section 402(p) of the CWA, 33 U.S.C. § 1342. Maximum extends practicable for this permit is detailed in Part V.C.

Municipal Separate Storm Sewer System (MS4) is used to refer to either Large, Medium, or Small Municipal Separate Storm Sewer System. The term is used to refer to either the system operated by a single entity or a group of systems within an area that are operated by multiple entities (e.g., the Oklahoma City MS4 includes MS4s operated by Oklahoma City, the Oklahoma Department of Transportation, and others). The term MS4 is defined at 40 CFR § 122.26(b)(8) and means a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains) that is/are:

1. Owned or operated by a state, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to state law) having jurisdiction over disposal or sewage, industrial wastes, stormwater, or other wastes, including special

districts under state law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under section 208 of the CWA that discharges to waters of the United States;

- 2. Designed or under collection or conveying stormwater;
- 3. Not combined sewer; and
- 4. Not part of a Publicly Owned Treatment Works (POTW) as defined at 40 CFR § 403.3(q).

Newly Regulated Small MS4 – refers to a small MS4 newly designated as a result of US census data or other new information, and thus required to be covered under OPDES permit.

Notice of Intent (NOI) is the mechanism used to "register" for coverage under a general permit.

Non-traditional MS4 means state and federal prisons, office complexes, hospitals, state transportation agencies, universities, public housing, authorities, schools, and other special districts.

Notice of termination (NOT) is the mechanism used to terminate coverage under a general permit.

Outstanding Resource Waters (ORW) are designed as such in Oklahoma's Water Quality Standards under OAC 785:45-3-2(a).

Pollutant of Concern (POC) is a pollutant which causes or contributes to a violation of a water quality standard, including a pollutant, which is identified as causing an impairment in the latest 303(d) list, a TMDL report, or watershed plan.

Quality Assurance Project Plan (QAPP) is a document that outlines the procedures that those who conduct a monitoring project will take to ensure that the data they collect and analyze meets project requirements.

Small MS4 is defined at 40 CFR § 122.26(b)(16) and refers to all separate storm sewers that are owned or operated by the United States, a state, city, town, county, district, association, or other public body (created by or pursuant to state law) having jurisdiction over disposal of sewage, industrial wastes, stormwater, or other wastes, including special districts under state law such as a sewer district, flood control district or drainage district, or similar entity, or a designated and approved management agency under section 208 of the CWA that discharges to waters of the state, but is not defined as a "large" or "medium" municipal separate storm sewer system. This term includes systems similar to separate storm sewer systems in municipalities, such as systems at military bases, large hospital, or prison complexes, and highways and other thoroughfares. The term does not include separate storm sewers in very discrete areas, such as individual buildings.

Small MS4 Newly Designated after the Date of Permit Issuance refers to a small MS4 newly designated by EPA or DEQ after the date of this permit issuance.

Stabilization is the process of covering exposed ground surfaces with vegetative or non-vegetative practices that reduce erosion and prevent sediment discharge from occurring.

Stormwater is defined at 40 CFR § 122.26(b)(13) and means stormwater runoff, snow melt runoff, and surface runoff and drainage.

Stormwater Management Program (SWMP) refers to a comprehensive program to manage the quality of stormwater discharged from the municipal separate storm sewer system (MS4).

Total Maximum Daily Load (TMDL) refers to the sum of the individual wasteload allocations (WLAs) for point sources, safety, reserves, and loads from nonpoint sources and natural background.

Urbanized Area (UA) is defined by the U.S. Census Bureau. The Census Bureau's urban areas represent densely developed territory, and encompass residential, commercial, and other non-residential urban land uses. The Census Bureau delineates urban areas after each decennial census by applying specified criteria to decennial census and other data. The Census Bureau identifies an urbanized area as an area with 50,000 or more people.

Waters of the State means all streams, lakes, ponds, marshes, watercourses, waterways, wells, springs, irrigation systems, drainage systems, storm sewers and all other bodies or accumulations of water, surface and underground, natural, or artificial, public or private, which are contained within, flow through, or border upon this state or any portion thereof. Provided waste treatment systems, including treatment ponds or lagoons designed to meet federal and state requirement other than cooling ponds as defined in the CWA or rules promulgated thereto, and prior converted cropland are not water of the state [27A O.S. § 1-1-201(20).

Wasteload Allocation (WLA) is the fraction of the total pollutant load apportioned to all point sources and includes stormwater discharges regulated as point sources which are identified in the TMDL as WLA MS4.

Appendix A BMP Activities and Documentation List

BMP and Minimum Control Measure Index

DMF and Minimum Control	l			trol Mea	asures	
Best Management Practice (BMP)	V.C.1. Public Education and Involvement	V.C.2. Industrial Stormwater Runoff Control	V.C.3. Illicit Discharge Detection and Elimination	V.C.4. Construction Site Stormwater Runoff Control	V.C.5. Post-Construction Management	V.C.6. Pollution Prevention/ Good Housekeeping
BMP 1. Classroom Education	Х					
BMP 2. Signs and Billboards	Х					
BMP 3. Newspaper Advertising	Х					
BMP 4. Public Service Announcements	Х					
BMP 5. Stormwater Website	Х	Х	Х	Х	Х	Х
BMP 6. Stormwater Hotline	Х	Х	Х	Х	Х	Х
BMP 7. Storm Drain Marking	Х					
BMP 8. Stream Cleanup Projects	Х					
BMP 9. Stormwater Workshop	Х	Х	Х	Х	Х	Х
BMP 10. Household Chemical Disposal	Х		Х			
BMP 11. Stormwater Drainage Advisory Committee	Х	Х	Х	Х	Х	
BMP 12. Staff Training	Х	Х	Х	Х	Х	Х
BMP 13. Industry and Community Outreach Activities	Х	Х	Х	Х	Х	Х
BMP 14. Industrial Stormwater Discharge Program		Х	Х			
BMP 15. Illicit Discharge Detection Investigations			Х			
BMP 16. Storm Drain System Mapping			Х			
BMP 17. Illicit Discharge Ordinance			Х			
BMP 18. Reduce Illegal Dumping			Х			
BMP 19. In-Stream Water Quality Monitoring			Х			
BMP 20. Plan Review Procedures				Х		
BMP 21. Construction Inspection				Х		
BMP 22. Water Quality Protection Zone				Х		
BMP 23. Post Construction BMP Manual					Х	
BMP 24. Long Term Operation and Maintenance of BMPs					Х	
BMP 25. Public Property Low Impact Development					Х	
BMP 26. Low Impact Development Barriers					Х	
BMP 27. Low Impact Development Outreach	Х	Х		Х	Х	Х
BMP 28. Spill Response and Prevention						Х
BMP 29. Storm Drain System Cleaning						Х
BMP 30. Municipal Litter Control						Х
BMP 31. Roadway Cleaning						Х
BMP 32. Vehicle Washing						Х
BMP 33. Vehicle Fueling						Х
BMP 34. Hazardous Materials Storage & Disposal						Х
BMP 35. Salt Storage						Х
BMP 36. Used Oil Collection & Recycling						Х
BMP 37. Vehicle Maintenance						Х
BMP 38. Stormwater Pollution Prevention Training						Х
BMP 39. Facility Inspections						Х
BMP 40. Wastewater Infrastructure Rehab/Replacement						X

Best Management Practices (BMPs)/					
Applicable Minimum Control Measures (MCMs)	Permit Year 1	Permit Year 2	Permit Year 3	Permit Year 4	Permit Year 5
BMP 1	Measurable Goal:	Measurable Goal:			
Classroom Education	A. Review existing stormwater	A. Determine <u>annually</u> which grades a	re appropriate and locate receptive teache	rs.	
	curriculum and develop	i. List of grades.			
V.C.1. Public Education and Involvement	stormwater curriculum	ii. List of teachers.			
	modifications.	B. Produce educational materials.			
Target Audience: Residents.	i. Catalog of curriculum	i. Produce packets for <u>five</u> to	eachers <u>annually</u> .		
	and the modifications				
Pollutants of Concern: Sediment, Solid	from the previous				
and Sanitary Waste, Phosphorus,	program.				
Nitrogen, Pesticides, Oil and Grease,	B. Met with school officials to				
Bacteria, Metals.	identify requirements.				
	i. Meeting with ISD				
BMP 2	Measurable Goal:	Measurable Goal:			
Signs and Billboards	A. Determine the number of	A. Annually display a billboard design.	The design could be developed through a	classroom education contest for students to c	eate a billboard message.
Ü	billboards to be used in this	i. One billboard display.			G
V.C.1. Public Education and Involvement	program through cost analysis		crossing signs on three unmarked streams.		
	and type of message desired.	i. <u>Three</u> creek crossing signs			
Target Audience: Residents, Visitors,	i. Number of billboards.				
Public Service Employees, Commercial,	B. Display billboard design.				
Industrial, Construction.	i. <u>One</u> billboard display.				
	C. Identify and install creek				
Pollutants of Concern: Sediment, Solid	crossing signs on three				
and Sanitary Waste, Phosphorus,	unmarked streams.				
Nitrogen, Pesticides, Oil and Grease,	i. <u>Three</u> creek crossing				
Bacteria, Metals.	signs.				
BMP 3	Measurable Goal:	Measurable Goal:			
Newspaper Advertising	A. Promote current household	A. Advertise stormwater hotline.			
	hazardous waste program.	i. <u>One</u> message in the newsp	paper <u>annually</u> .		
V.C.1. Public Education and Involvement	i. <u>One</u> message in the	B. Advertise volunteer opportunities.			
Townsh Audionas Davidsonto Maites	newspaper.	i. <u>One</u> message in the newsp	paper <u>annually</u> .		
Target Audience: Residents, Visitors,	B. Advertise stormwater hotline.	C. Promote public workshop.	agner annually		
Public Service Employees, Commercial,	i. One message in the	i. <u>One</u> message in the newsp			
Industrial, Construction.	newspaper. C. Advertise volunteer	D. Promote current household hazard i. One message in the newsp			
Pollutants of Concern: Sediment, Solid	opportunities.	i. One message in the newsp	paper <u>armuany</u> .		
and Sanitary Waste, Phosphorus,	i. One message in the				
Nitrogen, Pesticides, Oil and Grease,	newspaper.				
Bacteria, Metals.	пемэрарет.				
Bucteria, Wictars.					
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Post Management Practices (PMPs)/					
Best Management Practices (BMPs)/ Applicable Minimum Control Measures (MCMs)	Permit Year 1	Permit Year 2	Permit Year 3	Permit Year 4	Permit Year 5
BMP 4	Measurable Goal:	Measurable Goal:			
Public Service Announcements	A. Identify the number of slots	A. Broadcast stormwater messages of	on cable access channels.		
	available on cable access	_	levision PSAs messages on related topics.		
V.C.1. Public Education and Involvement	channel.	B. Broadcast stormwater messages of	-		
	i. List of available slots.	_	dio PSA messages on related topics.		
Target Audience: Residents, Visitors,	B. Develop a list of radio stations	C. Publicize on social media.			
Public Service Employees, Commercial,	and media contact list.				
Industrial, Construction.	i. List of radio contacts.				
	C. Review available PSA messages				
Pollutants of Concern: Sediment, Solid	and develop messages to				
and Sanitary Waste, Phosphorus,	increase focus on bacteria, fats,				
Nitrogen, Pesticides, Oil and Grease,	oils, and grease resulting in				
Bacteria, Metals.	overflows from decorative ponds				
	and pet waste.				
	i. Review/update/				
	develop PSA messages.				
BMP 5	Measurable Goal:	<u> </u>			
Stormwater Website		resource and facilitate public reporting of st	ormwater quality concerns and illicit discharg	es. Stormwater information is posted on the	City of Lawton website.
		e reviewed and updated at least annually.	or material quantity content to a material and a more and and	our discount and a possession and	city or zamen measure.
V.C.1. Public Education and Involvement		submit questions and comments.			
	iii. Post copies of the <u>NOI and SW</u>				
Target Audience: Residents, Visitors,	iii. Fost copies of the <u>Not and Sw</u>	THE TOT PUBLIC TEVIEW.			
Public Service Employees, Commercial,					
Industrial, Construction.					
,					
Pollutants of Concern: Sediment, Solid					
and Sanitary Waste, Phosphorus,					
Nitrogen, Pesticides, Oil and Grease,					
Bacteria, Metals.					
BMP 6	Measurable Goal:				
Stormwater Hotline	A. Publicize stormwater hotline.				
	i. Create advertisement example	es.			
V.C.1. Public Education and Involvement	B. Track complaint investigations from				
V.C.3. Illicit Discharge Detection and	i. Create a tracking list for 100%				
Elimination					
Target Audience: Residents, Visitors,					
Public Service Employees, Commercial,					
Industrial, Construction.					
Pollutants of Concern: Sediment, Solid					
and Sanitary Waste, Phosphorus,					
Nitrogen, Pesticides, Oil and Grease,					
Bacteria, Metals.					
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Best Management Practices (BMPs)/ Applicable Minimum Control Measures (MCMs)	Permit Year 1	Permit Year 2	Permit Year 3	Permit Year 4	Permit Year 5
BMP 7 Storm Drain Marking	Measurable Goal: A. Advertise program to organization i. Advertise the program at				
V.C.1. Public Education and Involvement	B. Conduct marking events. i. <u>Annually</u> conduct <u>two</u> ma	arking events.			
Target Audience: Residents, Visitors, Commercial, Industrial.	C. Update marked inlet GIS map. i. Create an updated GIS max	ap.			
Pollutants of Concern: Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals.					
BMP 8	Measurable Goal:				
Stream Cleanup Projects	A. Note potential locations during dr i. Create a list of potential l				
V.C.1. Public Education and Involvement	B. Advertise program to organization i. At least one advertisemen	ns.			
Target Audience: Residents, Public Service Employees.	C. Schedule and hold a cleanup even i. Schedule and hold one cle	t.			
Pollutants of Concern: Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals.					
BMP 9	Measurable Goal:	Measurable Goal:			
Stormwater Workshop	A. Develop a list of potential topics.	A. Advertise workshop.			
V.C.1. Public Education and Involvement	i. Create a list of potential topics.	i. At least <u>one</u> workshop a B. Schedule and hold a public works	shop.		
Target Audience: Residents, Visitors, Public Service Employees, Commercial, Industrial, Construction.	B. Advertise workshop. i. At least <u>one</u> workshop advertisement. C. Schedule and hold a public	i. Hold <u>one</u> public worksho	op <u>annually</u> .		
Pollutants of Concern: Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals.	workshop. i. Hold <u>one</u> public workshop.				

Best Management Practices (BMPs)/ Applicable Minimum Control Measures (MCMs)	Permit Year 1	Permit Year 2	Permit Year 3	Permit Year 4	Permit Year 5
BMP 10 Household Chemical Disposal V.C.1. Public Education and Involvement V.C.3. Illicit Discharge Detection and Elimination Target Audience: Residents, Public Service Employees. Pollutants of Concern: Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals.	Measurable Goal: A. Continue to hold <u>annual</u> cleanup of it. i. Create list of materials and the continue to hold annual cleanup of t	day and continue to collect recyclable materiand quantities collected.	als at the landfill.		
BMP 11 Stormwater Drainage Advisory Committee V.C.1. Public Education and Involvement Target Audience: Commercial, Industrial, Construction. Pollutants of Concern: Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals, Concrete Truck Washout, Construction Chemicals, Construction Debris.	Measurable Goal: A. Hold <u>one</u> meeting <u>annually</u> to add i. Provide minutes from the				
			T	T	
BMP 12 Staff Training	Measurable Goal: A. Develop/update/implement staff	Measurable Goal: A. Develop/update/implement staff	Measurable Goal: A. Develop/update/implement staff	Measurable Goal: A. Develop/update/implement staff	Measurable Goal: A. Develop/update/implement staff
V.C.1. Public Education and Involvement Target Audience: Public Service Employees.	training for industrial runoff. B. Develop/update/implement staff training for illicit discharge. C. Develop/update/implement staff training for construction runoff. D. Develop/update/implement staff	training for industrial runoff. B. Develop/update/implement staff training for illicit discharge. C. Develop/update/implement staff training for construction runoff. D. Develop/update/implement staff	training for industrial runoff. B. Develop/update/implement staff training for illicit discharge. C. Develop/update/implement staff training for construction runoff. D. Develop/update/implement staff	training for industrial runoff. B. Develop/update/implement staff training for illicit discharge. C. Develop/update/implement staff training for construction runoff. D. Develop/update/implement staff	training for industrial runoff. B. Develop/update/implement staff training for illicit discharge. C. Develop/update/implement staff training for construction runoff. D. Develop/update/implement staff
Pollutants of Concern: Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals, Concrete Truck Washout, Construction Chemicals, Construction Debris.	training for post-construction runoff. i. Implement and track staff training for each category annually.	training for post-construction runoff. i. Implement and track staff training for each category annually.	training for post-construction runoff. i. Implement and track staff training for each category annually.	training for post-construction runoff. i. Implement and track staff training for each category annually.	training for post-construction runoff. i. Implement and track staff training for each category annually.

Bacteria, Metals.

Best Management Practices (BMPs)/ Applicable Minimum Control Measures (MCMs)	Permit Year 1	Permit Year 2	Permit Year 3	Permit Year 4	Permit Year 5
BMP 13	Measurable Goal:	Measurable Goal:	Measurable Goal:	Measurable Goal:	Measurable Goal:
Industry and Community Outreach	A. Implement an outreach or	A. Implement an outreach or	A. Implement an outreach or	A. Implement an outreach or	A. Implement an outreach or
Activities	educational activity for industrial runoff.	educational activity for industrial runoff.	educational activity for industrial runoff.	educational activity for industrial runoff.	educational activity for industrial runoff.
V.C.1. Public Education and Involvement	B. Implement outreach or	B. Implement outreach or	B. Implement outreach or	B. Implement outreach or	B. Implement outreach or
	educational activity for illicit	educational activity for illicit	educational activity for illicit	educational activity for illicit	educational activity for illicit
Target Audience: Residents, Public	discharge.	discharge.	discharge.	discharge.	discharge.
Service Employees, Commercial,	C. Implement outreach or	C. Implement outreach or	C. Implement outreach or	C. Implement outreach or	C. Implement outreach or
Industrial.	educational activity for	educational activity for	educational activity for	educational activity for	educational activity for
Delluterate of Conserve Codingont Colid	construction runoff.	construction runoff.	construction runoff.	construction runoff.	construction runoff.
Pollutants of Concern: Sediment, Solid and Sanitary Waste, Phosphorus,	 D. Implement public education for post-construction runoff. 	D. Implement public education for post-construction runoff.	D. Implement public education for post-construction runoff.	D. Implement public education for post-construction runoff.	D. Implement public education for post-construction runoff.
Nitrogen, Pesticides, Oil and Grease,	i. Implement and track	i. Implement and track	i. Implement and track	i. Implement and track	i. Implement and track
Bacteria, Metals, Concrete Truck	community outreach	community outreach	community outreach	community outreach	community outreach
Washout, Construction Chemicals,	activities for each	activities for each	activities for each	activities for each	activities for each
Construction Debris.	category annually.	category annually.	category annually.	category annually.	category annually.
BMP 14	Measurable Goal:	Measurable Goal:	Measurable Goal:	Measurable Goal:	Measurable Goal:
Industrial Stormwater Discharge	A. Develop list of industrial facilities	A. Develop ordinances or other	A. Update list of industrial facilities	A. Update list of industrial facilities	A. Update list of industrial facilities
Program	within MS4; Identify specific	enforcement measures to	within the MS4.	within the MS4.	within the MS4.
V.C.2. Industrial Stormwater Runoff	discharges from those facilities. i. Identify 100% of	prevent or reduce pollutants in stormwater from industrial	i. Inspect up to 10 (or	i. Inspect up to 10 (or	i. Inspect up to 10 (or
Control	industrial land uses.	activities.	20% of total industrial facilities if less than 50)	20% of total industrial facilities if less than 50)	20% of total industrial
Control	illuustilai lailu uses.	B. Update list of industrial facilities	,	,	facilities if less than 50)
Target Audience: Public Service		within the MS4.	per year.	per year. B. Review ordinances or other	per year.
Employees, Commercial, Industrial.		i. Inspect up to 10 (or 20% of total industrial		enforcement measures to prevent or reduce pollutants in	
Pollutants of Concern: Sediment, Solid		facilities if less than 50)		stormwater from industrial	
and Sanitary Waste, Phosphorus,		per year.		activities.	
Nitrogen, Pesticides, Oil and Grease,					
Bacteria, Metals.					
BMP 15	Measurable Goal:				
Illicit Discharge Detection Investigations		am will provide visual inspection of outfalls t k listed on the 303(d) list (from Gore and NV		es, including illegal dumping and connections	to the MS4 . NOTE: Increased priority will
V.C.3. Illicit Discharge Detection and	i. <u>40%</u> of outfalls should be		-		
Elimination		ng at high priority areas as noted annually. Ind, samples should be collected to attempt t	to characterize the pollutant		
Target Audience: Residents, Visitors,	_	·	•	visually by inspecting creeks, channels, manh	oles, and other accessible parts of the MSA
Public Service Employees, Commercial,		l incidental non-stormwater discharges ident		indiana, and indicating director, chairment, maint	c.es, and other decession parts of the Mo-
Industrial, Construction.					
Pollutants of Concern: Sediment, Solid					
and Sanitary Waste, Phosphorus,					
Nitrogen, Pesticides, Oil and Grease,					

Best Management Practices (BMPs)/					
Applicable Minimum Control Measures (MCMs)	Permit Year 1	Permit Year 2	Permit Year 3	Permit Year 4	Permit Year 5
BMP 16	Measurable Goal:				
Storm Drain System Mapping	A. Annually update existing GIS Map.				
	i. Create a list of <u>100% com</u>				
V.C.3. Illicit Discharge Detection and Elimination	ii. Updated at least <u>annually</u>	<u>L</u>			
Target Audience: Residents, Public Service Employees, Commercial, Industrial.					
Pollutants of Concern: Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals.					
BMP 17 Illicit Discharge Ordinance	Measurable Goal: A. Review current ordinance and con Railroad).	npare to new permit requirements. NOTE: Ir	ncreased priority will be given to areas along	Wolf Creek listed on the 303(d) list (from Go	re and NW 44 th Street to Pecan and
V.C.3. Illicit Discharge Detection and		errals, spill reports, inspections, and sampling	ng may be used to identify violations of City sto	ormwater regulations.	
Elimination	i. A course of action and tir	ne schedule should be developed and used t			
Target Audience: Residents, Visitors, Public Service Employees, Commercial, Industrial, Construction.	C. Failure to comply shall result in fu	rther enforcement actions, including fines, s	uspension of permit issuance, or criminal pros	secution.	
Pollutants of Concern: Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals.					
BMP 18	Measurable Goal:				
Reduce Illegal Dumping		- · · · · · · · · · · · · · · · · · · ·	ty will be given to areas along Wolf Creek list	ed on the 303(d) list (from Gore and NW 44 th	Street to Pecan and Railroad).
V.C.3. Illicit Discharge Detection and Elimination	B. Report on disposition of dumping i. Create a disposition repo ii. Investigate 100% of illega	sites and investigations. rt <u>annually</u> .			
Target Audience: Residents, Visitors,	ii. investigate 100% of fliega	n dumping reports.			
Public Service Employees, Commercial, Industrial, Construction.					
Pollutants of Concern: Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals.					

Best Management Practices (BMPs)/ Applicable Minimum Control	Permit Year 1	Permit Year 2	Permit Year 3	Permit Year 4	Permit Year 5
Measures (MCMs)					
BMP 19	Measurable Goal:	Measurable Goal:			
In-Stream Water Quality Monitoring	A. Continue partnership with	A. Conduct one water quality monito			
	Oklahoma Conservation	i. Maintain results from qu			
V.C.3. Illicit Discharge Detection and	Commission, Blue Thumb to	B. Report results to Oklahoma Conse	ervation Commission, Blue Thumb.		
Elimination	identify testing location and				
	provide materials.				
Target Audience: Residents, Public	B. Conduct <u>one</u> water quality				
Service Employees, Commercial,	monitoring <u>per quarter</u> .				
Industrial, Construction.	i. Maintain results from				
	quarterly monitoring.				
Pollutants of Concern: Sediment, Solid					
and Sanitary Waste, Phosphorus,					
Nitrogen, Pesticides, Oil and Grease,					
Bacteria, Metals.					
BMP 20	Measurable Goal:				
Plan Review Procedures		s submitted for permit and track compliance	with the Construction General Permit.		
	i. Create a compliance repo	ort for each construction plan.			
V.C.4. Construction Site Stormwater					
Runoff Control					
Target Audience: Commercial, Industrial,					
Construction.					
Pollutants of Concern: Sediment, Solid					
and Sanitary Waste, Phosphorus,					
Nitrogen, Pesticides, Oil and Grease,					
Bacteria, Metals, Concrete Truck					
Washout, Construction Chemicals,					
Construction Debris.					
BMP 21	Measurable Goal:				
Construction Inspection	A. Continue existing construction ins				
	i. Inspect all regulated cons				
V.C.4. Construction Site Stormwater	B. Track construction inspections. Ma	aintain a list of construction inspections.			
Runoff Control					
Target Audience: Commercial, Industrial,					
Construction.					
Pollutants of Concern: Sediment, Solid					
and Sanitary Waste, Phosphorus,					
Nitrogen, Pesticides, Oil and Grease,					
Bacteria, Metals, Concrete Truck					
Washout, Construction Chemicals,					
Construction Debris.					

Best Management Practices (BMPs)/ Applicable Minimum Control Measures (MCMs)	Permit Year 1	Permit Year 2	Permit Year 3	Permit Year 4	Permit Year 5
BMP 22 Water Quality Protection Zone	Measurable Goal: A. Research regulatory language for vegetated buffer zones.	Measurable Goal: A. Develop ordinance to establish water quality protection zone.	Measurable Goal: A. Adopt and enforce ordinance for v i. Track enforcement of ordinance.		
V.C.4. Construction Site Stormwater Runoff Control	i. Compile research.	ii. Create a draft ordinance.			
Target Audience: Commercial, Industrial, Construction.					
Pollutants of Concern: Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals, Concrete Truck Washout, Construction Chemicals, Construction Debris.					
BMP 23 Post Construction BMP Manual	Measurable Goal: A. Collect and review examples of stormwater ordinances.	Measurable Goal: A. Develop a "Post Construction BMP Design Manual," as	Measurable Goal: A. Draft a "Post Construction BMP Design manual," as necessary.	Measurable Goal: A. Adopt a "Post Construction BMP Design Manual" as necessary.	Measurable Goal: A. Adopt a "Post Construction BMP Design Manual;" as necessary.
V.C.5. Post-Construction Management in New Development and Redevelopment	B. Evaluate currently adopted and utilized post construction BMP manuals.	necessary. i. List of possible language to use.	i. Create a draft BMP manual.	i. Create/adopt BMP manual.	i. Create/adopt BMP manual.
Target Audience: Commercial, Industrial, Construction.	i. List of possible language to use.				
Pollutants of Concern: Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals, Concrete Truck Washout, Construction Chemicals, Construction Debris.					
BMP 24 Long Term Operation and Maintenance	Measurable Goal: A. Inspect existing post construction	I BMPs and log results into the PC BMP databa	ise.		
of BMPs	i. Inspect 20% of existing PC B. Review submitted O&M manuals a	BMP. Ind save copies in corresponding project fold			
V.C.5. Post-Construction Management in New Development and Redevelopment	i. Review 100% of submitteC. Update GIS coverage of BMPs.	d O&M manuals			
Target Audience: Residents, Visitors, Public Service Employees, Commercial, Industrial, Construction.					
Pollutants of Concern: Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals.					

Best Management Practices (BMPs)/		Down's V	Dameit V 2	Down it V	Downit V 5
Applicable Minimum Control Measures (MCMs)	Permit Year 1	Permit Year 2	Permit Year 3	Permit Year 4	Permit Year 5
BMP 25	Measurable Goal:	ne City of Lawton funded development, redev	valenment er enhancement preject appuall		
Public Property Low Impact Development Implementation		pleted with LID design annually.	reiopment, or enhancement project <u>annuali</u>	<u>y</u> .	
V.C.5. Post-Construction Management in New Development and Redevelopment					
Target Audience: Public Service Employees, Construction.					
Pollutants of Concern: Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals.					
BMP 26	Measurable Goal:	Measurable Goal:	Measurable Goal:	Measurable Goal:	
Low Impact Development Barriers	A. Review ordinance and regulations and identify the	A. Remove barriers by changing ordinances/policies that prohibit	A. Adopt the new ordinance without the LID barriers.	A. Provide justification for remaining i. Review and update ordin	barriers not removed in revised ordinance.
V.C.5. Post-Construction Management in New Development and Redevelopment	legal/regulatory barriers. i. List LID barriers.	LID practices. i. Create draft ordinances without LID barriers.	i. Adopt ordinances without LID barriers.		
Target Audience: Residents, Visitors, Public Service Employees, Commercial, Industrial, Construction.		Without Elb Barriers.			
Pollutants of Concern: Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals.					
BMP 27	Measurable Goal:				
Low Impact Development Outreach	A. Develop promotional brochure for i. Annually distribute the p	r local builders and general public. romotional brochures to both the local builde	ers and general public.		
V.C.5. Post-Construction Management in New Development and Redevelopment.					
Target Audience: Residents, Visitors, Public Service Employees, Commercial, Industrial, Construction.					
Pollutants of Concern: Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals.					

Best Management Practices (BMPs)/ Applicable Minimum Control Measures (MCMs)	Permit Year 1	Permit Year 2	Permit Year 3	Permit Year 4	Permit Year 5
BMP 28 Spill Response and Prevention V.C.6. Pollution Prevention/Good Housekeeping for MS4 Operations. Target Audience: Public Service Employees. Pollutants of Concern: Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals.	Measurable Goal: A. Review and revise SPCC Plan as needed. B. Perform activities required by SPCC plan including training. i. Document SPCC Plan training.	Measurable Goal: A. Perform activities required by SPC i. Document SPCC Plan train		Measurable Goal: A. Train Public Works, Field Utilities, and i. Review SPCC Plan with Direction ii. Train three individuals with prevention activities. iii. Update incident log when	vision Supervisors. thin each division on spill response and
BMP 29 Storm Drain System Cleaning V.C.6. Pollution Prevention/Good Housekeeping for MS4 Operations. Target Audience: Public Service Employees. Pollutants of Concern: Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals.	Measurable Goal: A. Continue cleaning all inlets quarte i. Create a list of cleaning d	erly or after every significant storm event of 1 lates.	" or more of precipitation.		
BMP 30 Municipal Litter Control V.C.6. Pollution Prevention/Good Housekeeping for MS4 Operations. Target Audience: Public Service Employees. Pollutants of Concern: Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals.	B. Remove blowing litter in and arou i. Remove 100% of blowing	batement activities and the amount of debri			

Best Management Practices (BMPs)/					
Applicable Minimum Control Measures (MCMs)	Permit Year 1	Permit Year 2	Permit Year 3	Permit Year 4	Permit Year 5
BMP 31	Measurable Goal:				
Roadway Cleaning	Continue existing regenerative struit. Remove 2,000 cubic yard.	eet sweeping and track the number of lane r s of debris.	niles swept and debris removed.		
V.C.6. Pollution Prevention/Good Housekeeping for MS4 Operations.	,				
Target Audience: Public Service Employees.					
Pollutants of Concern: Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals.					
BMP 32	Measurable Goal:				
Vehicle Washing	A. Inspect wash bays and keep inspec				
	· · · · · · · · · · · · · · · · · · ·	er six months during the winter and once pe			
V.C.6. Pollution Prevention/Good Housekeeping for MS4 Operations.		during the winter and <u>every three months</u> duduring inspections and record amounts in lo	uring the summer and maintain a maintenance g.	e log.	
Target Audience: Public Service Employees.					
Pollutants of Concern: Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals.					
BMP 33	Measurable Goal:				
Vehicle Fueling	A. Maintain UST leak detection syste	m and perform annual pressure testing. of annual pressure testing.			
V.C.6. Pollution Prevention/Good Housekeeping for MS4 Operations.	B. Annually educate municipal emplo	byees on proper fuel site safety procedures a employees that received training.	nd potential water quality impacts.		
Target Audience: Public Service Employees.					
Pollutants of Concern: Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals.					

Post Management Durations (DB (Da))					
Best Management Practices (BMPs)/ Applicable Minimum Control Measures (MCMs)	Permit Year 1	Permit Year 2	Permit Year 3	Permit Year 4	Permit Year 5
BMP 34	Measurable Goal:	Measurable Goal:			
Hazardous Materials Storage & Disposal	A. Review and modify standard		distribute educational materials, posters, and	d pamphlets to municipal facilities.	
	operations procedures and	i. Conduct <u>two</u> trainings ea			
V.C.6. Pollution Prevention/Good	training materials as needed.	•	•		
Housekeeping for MS4 Operations.	i. Develop materials				
	storage guidelines				
Target Audience: Public Service	ii. Provide trainings <u>twice</u>				
Employees.	per year.				
Pollutants of Concern: Sediment, Solid					
and Sanitary Waste, Phosphorus,					
Nitrogen, Pesticides, Oil and Grease,					
Bacteria, Metals.					
BMP 35	Measurable Goal:				
Salt Storage	A. Maintain salt storage dome utilizir				
V.C.C. Pollution Drovention/Cond	i. Inspect dome after signif				
V.C.6. Pollution Prevention/Good		will expose materials to stormwater.			
Housekeeping for MS4 Operations.	B. List modifications made to salt sto	rage dome.			
Target Audience: Public Service					
Employees.					
Limployees.					
Pollutants of Concern: Sediment, Solid					
and Sanitary Waste, Phosphorus,					
Nitrogen, Pesticides, Oil and Grease,					
Bacteria, Metals.					
,					
BMP 36	Measurable Goal:				
Used Oil Collection & Recycling		ection procedures at Lawton Public Works Co	mplex.		
	i. Maintain log of used oil d				
V.C.6. Pollution Prevention/Good	B. Properly store, dispose of, or recy				
Housekeeping for MS4 Operations.		00 gallon must be recycled by contract waste	hauler.		
	C. Maintain and update SPCC Plan as				
Target Audience: Public Service	i. Complete weekly SPCC Pl	an inspection documents.			
Employees.					
Dell'stanta of Course Co. II C. III.					
Pollutants of Concern: Sediment, Solid					
and Sanitary Waste, Phosphorus,					
Nitrogen, Pesticides, Oil and Grease,					
Bacteria, Metals.					

Best Management Practices (BMPs)/ Applicable Minimum Control Measures (MCMs)	Permit Year 1	Permit Year 2	Permit Year 3	Permit Year 4	Permit Year 5
Vehicle Maintenance V.C.6. Pollution Prevention/Good Housekeeping for MS4 Operations. Target Audience: Public Service Employees. Pollutants of Concern: Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals.		cle maintenance practices for stormwater po on appropriate stormwater pollution prevent	ollution prevention BMPs. Perform training. tion BMPs associated with maintenance activit	ties.	
BMP 38 Stormwater Pollution Prevention Training V.C.6. Pollution Prevention/Good Housekeeping for MS4 Operations. Target Audience: Public Service Employees. Pollutants of Concern: Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals.	Measurable Goal: A. Conduct <u>annual</u> training for City st i. Maintain log of employee	taff. es that attended training on stormwater pollu	ution prevention.		
BMP 39 Facility Inspections V.C.6. Pollution Prevention/Good Housekeeping for MS4 Operations. Target Audience: Public Service Employees. Pollutants of Concern: Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals.	Measurable Goal: A. Review and modify list of facilities to include all industrial facilities owned or operated by the City of Lawton that are subject to DEQ Multi-Sector General Permit for discharges of stormwater associated with industrial activity. i. Develop a list of facilities to inspect.	Measurable Goal: A. Applicable facilities will conduct q i. Document inspection act B. Conduct one annual facility audit C. Maintain records and submit indu	tivities for each facility.		

Best Management Practices (BMPs)/ Applicable Minimum Control Measures (MCMs)	Permit Year 1	Permit Year 2	Permit Year 3	Permit Year 4	Permit Year 5
BMP 40	Measurable Goal:				
Wastewater Infrastructure	A. Perform rehabilitation and replace	ement of wastewater manholes and wastewa	ter pipelines.		
Rehab/Replacement	i. Rehabilitate/replace 50 n ii. Rehabilitate/replace 20,0				
V.C.6. Pollution Prevention/Good Housekeeping for MS4 Operations.					
Target Audience: Public Service Employees.					
Pollutants of Concern: Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals.					

Appendix B BMP Implementation Sheets

BMP 1	CLASSROOM EDUCAT	ION			
Audience	Description				
X Residents Visitors Public Service Employees Commercial Industrial Construction	Description The classroom education program will be used to educate students on stormwater related issues. This program will be flexible and involvecoordination with several of the other BMPs in Lawton's SWMP. For example, when stormwater related booklets are provided to students, they can be used as a tool for classroom education. Additionally, when computer classes are teaching students how to use the web, the class can visit the City's stormwater web page. The classes may even decide to perform a creek cleanup for Earth day or inlet markers. These are some of the examples of the type of projects that can be incorporated into this BMP. Rationale for Selection Classroom education has been shown to be a very effective way to increase environmental awareness of children as well as their parents. There are many ways to educate students that can be incorporated into the current teacher's curriculum, especially science classes. This BMP was the highest priority BMP selected by the Stormwater Stakeholders Group for public education. Pollutants of Concern Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals.				
YEAR	ACTIVITY	MEASUREABLE GOALS	IMPLEMENTATION NOTES		
Permit Year 1 (1/1/2021-12/31/2021)	Review existing stormwater curriculum and develop stormwater curriculum modifications. Met with school officials to identify requirements.	☐ Catalog of curriculum and the modifications from the previous program. ☐ Meeting with ISD			
Permit Year 2 (1/1/2022-12/31/2022)	Determine annually which grades are	☐ List of grades. ☐ List of teachers.			
Permit Year 3 (1/1/2023-12/31/2023)	appropriate and locate receptive teachers.	☐ Produce packets for five teachers			
Permit Year 4 (1/1/2024-12/31/2024)	Produce educational	annually.			
Permit Year 5 (1/1/2025-5/31/2026)	— materials.				

BMP 2	SIGNS AND BILLBOAF	RDS			
Audience X Residents X Visitors X Public Service Employees X Commercial	Description A wide range of signs and billboards can be used to publicize stormwater impacts, promote educational events and activities, advertise web sites, and recruit community volunteers. Usually requires professional design to be eye-catching and memorable. Signs and billboards can be used to increase public awareness, but the message must be brief and concise. Signs located at watershed boundaries increase citizen awareness of the local creeks.				
X Industrial X Construction		e audience, including peop n's city limits. The City of L	ole who do not receive newsletters awton currently uses billboards for		
	Pollutants of Concerr Sediment, Solid and Sanita Bacteria, Metals.		trogen, Pesticides, Oil and Grease,		
YEAR	ACTIVITY	MEASUREABLE GOALS	IMPLEMENTATION NOTES		
Permit Year 1 (1/1/2021-12/31/2021)	Determine the number of billboards to be used in this program through cost analysis and type of message desired. Display billboard design. Identify and install creek crossing signs on three unmarked streams.	□ Number of billboards. □ One billboard display. □ Three creek crossing signs.			
Permit Year 2 (1/1/2022-12/31/2022)	Annually display a billboard design. The design could be developed through a	☐ One billboard display. ☐ Three creek crossing signs.			
Permit Year 3 (1/1/2023-12/31/2023)	classroom education contest for students to create a billboard	3,8,13.			
Permit Year 4 (1/1/2024-12/31/2024)	message. Annually identify and install creek crossing				
Permit Year 5 (1/1/2025-5/31/2026)	signs on three unmarked streams.				

BMP 3	NEWSPAPER ADVER	TISING			
Audience X Residents X Visitors X Public Service Employees X Commercial X Industrial X Construction	Description These are short-printed messages that are included in Lawton's newspaper to educate the public with brief and concise information on a variety of stormwater related topics. The following messages are suggested: • Advertisement of the stormwater website • Advertisement of the City's household hazardous waste program • Advertisement of volunteer opportunities • Advertisement of the stormwater hotline Rationale for Selection Newspaper advertisements are currently being utilized by Lawton on a regular basis to convey a variety of short, simple messages. Newspaper messages appear to be well received in Lawton, provide timely information and are very economical to produce. This BMP was also highly rated by the Stormwater Stakeholders Group. Pollutants of Concern				
	Bacteria, Metals.	,	rogen, Pesticides, Oil and Grease,		
YEAR	ACTIVITY	MEASUREABLE GOALS	IMPLEMENTATION NOTES		
Permit Year 1 (1/1/2021-12/31/2021)	Promote current household hazardous waste program. Advertise stormwater hotline. Advertise volunteer opportunities.	 □ One message in the newspaper. □ One message in the newspaper. □ One message in the newspaper. 			
Permit Year 2 (1/1/2022-12/31/2022)	Advertise stormwater hotline.	One message in the newspaper annually.			
Permit Year 3 (1/1/2023-12/31/2023)	Advertise volunteer opportunities.	☐ One message in the newspaper annually.			
Permit Year 4 (1/1/2024-12/31/2024)	Promote public workshop. Promote current	☐ One message in the newspaper annually.			
Permit Year 5 (1/1/2025-5/31/2026)	household hazardous waste program.	☐ One message in the newspaper annually.			

BMP 4	PUBLIC SERVICE ANN	OUNCEMENTS				
Audience X Residents X Visitors X Public Service Employees X Commercial X Industrial	Description Public service announcements (PSAs), broadcast through television, radio or newspapers, contribute to the success of public education/ outreach programs. PSAs are generally broadcast free-of-charge especially if the information is of interest to the media's target audience. Newspapers will usually publish information on community stormwater events and activities of interest to their readers. Radio and television PSAs are also generally free but may be broadcast during non-prime time, airing either late at night or very early in the morning. Care should be taken to consider appropriate stations and broadcast times for the target audiences.					
X Construction	PSAs are generally free and and broadcast times. PSA consideration should be g submitted well in advance	Rationale for Selection PSAs are generally free and can be tailored for specific audiences depending on content and broadcast times. PSAs may be broadcast during non-prime time slots. Careful consideration should be given to choice of station and broadcast time. PSAs must be submitted well in advance of the event or activity (at least one month). Pollutants of Concern Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria Metals				
		MEASUREABLE IMPLEMENTATION				
YEAR	ACTIVITY	GOALS	NOTES			
Permit Year 1 (1/1/2021-12/31/2021)	Identify the number of slots available on cable access channel. Develop a list of radio stations and media contact list. Review available PSA messages and develop messages to increase focus on bacteria, fats, oils, and grease resulting in overflows from decorative ponds and pet waste.	☐ List of available slots. ☐ List of radio contacts. ☐ Review/update/ develop PSA messages				
Permit Year 2 (1/1/2022-12/31/2022)	Broadcast stormwater messages on cable	☐ Annually broadcast 15 television PSAs				
Permit Year 3 (1/1/2023-12/31/2023)	access channels. Broadcast stormwater	messages on related topics.				
Permit Year 4 (1/1/2024-12/31/2024)	messages over radio.	20 radio PSA messages on				
Permit Year 5 (1/1/2025-5/31/2026)	Publicize on social media	related topics.				

BMP 5	STORMWATER WEBSITE					
Audience X Residents X Visitors X Public Service	Description City websites contribute to the success of public education/outreach programs. The website will publish information on community stormwater events and activities of interest to their readers. Care should be taken to continuously update information for the target audiences.					
Employees X Commercial X Industrial X Construction	Rationale for Selection The website can be tailored for specific audiences, can house a wide variety of material, and can be accessed 24 hours a day. Careful consideration should be given to material and format. Advertising of events must be well in advance of the activity. Pollutants of Concern Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals.					
YEAR	ACTIVITY	MEASUREABLE GOALS	IMPLEMENTATION NOTES			
Permit Year 1 (1/1/2021-12/31/2021)	ACTIVITY Provide a stormwater educational resource and facilitate public reporting of stormwater quality concerns and illicit discharges. Stormwater information is posted on the City of Lawton website.	Contents of the website will be reviewed and updated at least	NOTES			
Permit Year 2 (1/1/2022-12/31/2022)		annually. □ Provide a link for the public to submit				
Permit Year 3 (1/1/2023-12/31/2023)		questions and comments. ☐ Post copies of the NOI and SWMP for				
Permit Year 4 (1/1/2024-12/31/2024)		public review.				
Permit Year 5 (1/1/2025-5/31/2026)						

BMP 6	STORMWATER HOTL	STORMWATER HOTLINE			
Audience X Residents X Visitors X Public Service Employees	Description The City of Lawton will utilize an existing phone line and answering machine as a stormwater hotline for reporting potential violations. This number will be toll free and will be active 24 hours a day. This hotline will be aggressively promoted in conjunction with other BMPs to be most effective. Stormwater Management personnel will respond and investigate these calls.				
X Commercial X Industrial X Construction	Rationale for Selection The stormwater hotline BMP can be used for Public Education and Outreach, Public Participation and Involvement along with helping reduce illicit discharges by allowing citizens an avenue to voice their concerns and report potential violations to Stormwater Management.				
	Pollutants of Concert Sediment, Solid and Sanit Bacteria, Metals.		trogen, Pesticides, Oil and Grease,		
YEAR	ACTIVITY	MEASUREABLE GOALS	IMPLEMENTATION NOTES		
Permit Year 1 (1/1/2021-12/31/2021)	Publicize stormwater hotline. Track complaint	☐ Create advertisement examples. ☐ Create a tracking list			
Permit Year 2 (1/1/2022-12/31/2022)	investigations from hotline.	for 100% of investigations.			
Permit Year 3 (1/1/2023-12/31/2023)					
Permit Year 4 (1/1/2024-12/31/2024)					
Permit Year 5 (1/1/2025-5/31/2026)					

BMP 7	STORM DRAIN MARK	ING			
Audience X Residents X Visitors Public Service Employees X Commercial	Description This activity consists of volunteers affixing plastic buttons with a "don't dump" message to storm drain inlets. Students and involved community citizens can mark inlets through classroom education projects and community involvement projects. Lawton will try to utilize as many organizations as possible including Boy Scouts/Girl Scouts to mark the inlets. Establishing this BMP in this manner will provide many educational opportunities.				
X Industrial Construction	Rationale for Selection Storm drain marking has been used by many municipalities and is generally a very effective BMP that is relatively inexpensive and easy to implement. The effectiveness of this activity multiplies when various volunteer groups and organizations are utilized to mark the inlets.				
	Pollutants of Concern Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals.				
YEAR	ACTIVITY	MEASUREABLE GOALS	IMPLEMENTATION NOTES		
Permit Year 1 (1/1/2021-12/31/2021)	Advertise program to organizations. Conduct marking	☐ Advertise the program at least once annually.			
Permit Year 2 (1/1/2022-12/31/2022)	events. Update marked inlet GIS map. Annually conduct two marking events. Update marked inlet GIS map.				
Permit Year 3 (1/1/2023-12/31/2023)					
Permit Year 4 (1/1/2024-12/31/2024)					
Permit Year 5 (1/1/2025-5/31/2026)					

BMP 8	STREAM CLEANUP PF	ROJECTS				
Audience X Residents Visitors X Public Service Employees	and organizations. Specifi those areas with heavy improvement. Access will and to minimize permission	ic sites will be selected ba pedestrian and vehicula also guide site selection	with various local volunteer groups sed on impact by trash, especially ar traffic for optimum aesthetic for convenience of the volunteers ations will be encouraged to adopt s per year.			
Commercial Industrial Construction	Rationale for Selection Stream cleanup projects are a great way to improve aquatic habitat, water quality, and aesthetics while promoting stormwater awareness. This BMP is generally inexpensive, and the City can coordinate the participation of volunteer groups. Some of these groups may have similar agendas and may already sponsor such cleanup projects. Schools may also become involved as part of the Classroom Education program. This program does not require a long-term commitment, which may make this program more appealing to citizens or groups. Pollutants of Concern Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease,					
YEAR	Bacteria, Metals. ACTIVITY	MEASUREABLE GOALS	IMPLEMENTATION NOTES			
Permit Year 1 (1/1/2021-12/31/2021)	Note potential locations during dry weather screening annually.	☐ Create a list of potential locations. ☐ Provide at least one	NOTES			
Permit Year 2 (1/1/2022-12/31/2022)	advertisement annually. organizations. □ Schedule and hold one cleanup event					
Permit Year 3 (1/1/2023-12/31/2023)	cleanup event.	annually.				
Permit Year 4 (1/1/2024-12/31/2024)						
Permit Year 5 (1/1/2025-5/31/2026)						

BMP 9	STORMWATER WOR	KSHOP			
Audience X Residents X Visitors X Public Service Employees	Description The City will sponsor a stormwater workshop. Specific topics will be selected based on public interest and request. The topics will range from rainwater harvesting, water conservation, low impact development, composting, landscaping, and household hazardous waste. Participants will be encouraged to implement the activities at their residence or business.				
X Commercial X Industrial X Construction	Rationale for Selection Public workshops are a great way to improve aquatic habitat, water quality, and aesthetics while promoting stormwater awareness. This BMP is generally inexpensive, and the City can coordinate with local business to provide materials that might be required. Some of the topics could have hands on components such as building rain barrels that participants could take home and install.				
	Pollutants of Concer Sediment, Solid and Sani Bacteria, Metals.		trogen, Pesticides, Oil and Grease,		
YEAR	ACTIVITY	MEASUREABLE GOALS	IMPLEMENTATION NOTES		
Permit Year 1 (1/1/2021-12/31/2021)	Develop a list of potential topics. Advertise workshop. Schedule and hold a public workshop.	☐ Create a list of potential topics. ☐ Prepare at least one workshop advertisement. ☐ Hold one public workshop.			
Permit Year 2 (1/1/2022-12/31/2022)	Advertise workshop. Schedule and hold a public workshop.	☐ Prepare at least one workshop advertisement annually			
Permit Year 3 (1/1/2023-12/31/2023)	public workshop.	☐ Hold one public workshop annually.			
Permit Year 4 (1/1/2024-12/31/2024)					
Permit Year 5 (1/1/2025-5/31/2026)					

BMP 10	HOUSEHOLD CHEMICAL DISPOSAL		
Audience X Residents Visitors X Public Service Employees Commercial Industrial Construction	Description Many common household products contain potentially hazardous chemicals. Improper disposal of these household hazardous wastes (HHW) into the sanitary sewer or storm drain system can pose significant risks to human health and the environment. Some of the more common household products containing hazardous chemicals include oven cleaners, paints and solvents, insect sprays, weed killers, drain cleaners, motor oil, gasoline, and antifreeze. The first line of defense against improper disposal of HHW is through public education. Many residents are simply unaware of the hazards associated with these products and methods for proper disposal. Public education and outreach materials should inform the public about proper storage, handling, and disposal of hazardous chemicals. A variety of different media may be utilized as part of a public education program.		
	Rationale for Selection The City currently hosts one cleanup day per year for residents to dispose of batteries, oil, tires, and refrigerants and maintains a recycling collection center at the landfill. This BMP reduces human health risks, improves quality of surface and ground water resources, educates public on proper storage, handling and disposal of HHW, promotes use of less-toxic alternatives, and increases the longevity of landfill liners. Pollutants of Concern Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease,		
VEAD	Bacteria, Metals. MEASUREABLE IMPLEMENTATION OCALIC NOTES		
YEAR Permit Year 1 (1/1/2021-12/31/2021)	ACTIVITY Continue to hold annual cleanup day and continue to collect recyclable materials at	GOALS Create list of materials and quantities collected.	NOTES
Permit Year 2 (1/1/2022-12/31/2022)	the landfill.		
Permit Year 3 (1/1/2023-12/31/2023)			
Permit Year 4 (1/1/2024-12/31/2024)			
Permit Year 5 (1/1/2025-5/31/2026)			

BMP 11	STORMWATER DRAINAGE ADVISORY COMMITTEE		
Audience Residents Visitors Public Service Employees	Description Because the "buy in" is critical to the success of the City's program. The City will conduct meetings with a Stormwater Drainage Advisory Group to review the various structural and nonstructural BMPs and develop a consensus on the BMPs that are most applicable for Lawton. The City will enlist the aid of the Lawton Area Home Builder's Association, local lenders, local insurance agents, residents within the floodplain and Lawton Council members for this process. Rationale for Selection Involving stakeholders in the stormwater management planning process will improve support for the programs because the stakeholders will be able to voice their concerns and suggestions. Public meetings are an excellent way to inform citizens about stormwater impacts in addition to gaining support for the proposed stormwater program.		
X Commercial X Industrial X Construction			
	Pollutants of Concern Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals, Concrete Truck Washout, Construction Chemicals, Construction Debris.		
YEAR	ACTIVITY	MEASUREABLE GOALS	IMPLEMENTATION NOTES
Permit Year 1 (1/1/2021-12/31/2021)	Hold one meeting annually to address stormwater topics.	☐ Provide minutes from the meeting.	
Permit Year 2 (1/1/2022-12/31/2022)			
Permit Year 3 (1/1/2023-12/31/2023)			
Permit Year 4 (1/1/2024-12/31/2024)			
Permit Year 5 (1/1/2025-5/31/2026)			

BMP 12	STAFF TRAINING			
Audience Residents Visitors X Public Service Employees Commercial	SWPPPs should be held a programs. Employees can and bulletin boards about and prevention of contam	it least annually, possibly be taught through 1) pos t storm water management ination in surface water runtial stormwater contami	ng, yearly process. Meetings about in conjunction with other training sters, employee meetings, courses, nt, potential contaminant sources, noff, and 2) field training programs mation and associated pollutants, ined personnel.	
Industrial Construction	Rationale for Selection Advantages of an employee training program are that the program can be a low-cost and easily implementable storm water management BMP. The program can be standardized and repeated as necessary, both to train new employees and to keep its objectives fresh in the minds of more senior employees.			
	Pollutants of Concern Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals, Concrete Truck Washout, Construction Chemicals, Construction Debris.			
YEAR	MEASUREABLE IMPLEMENTATION ACTIVITY GOALS NOTES			
Permit Year 1 (1/1/2021-12/31/2021)	Develop/update/ implement staff training for industrial runoff. Develop/update/ implement staff training for illicit discharge. Develop/update/ implement staff training for construction runoff. Develop/update/ implement staff training for construction runoff. Develop/update/ implement staff training for post-construction runoff.	track staff training for each category		
Permit Year 2 (1/1/2022-12/31/2022)				
Permit Year 3 (1/1/2023-12/31/2023)				
Permit Year 4 (1/1/2024-12/31/2024)				
Permit Year 5 (1/1/2025-5/31/2026)				

BMP 13	INDUSTRY AND COMMUNITY OUTREACH ACTIVITIES		
Audience X Residents Visitors X Public Service Employees	Description A wide range of formats can be used to educate the community about stormwater impacts, promote educational events and activities, advertise websites, and recruit community volunteers. Specifically, the City of Lawton will identify opportunities to educate the community about industrial runoff, illicit discharges, construction runoff/activities, and post-construction runoff/activities.		
X Commercial X Industrial Construction	Rationale for Selection Increase public awareness and understanding of stormwater issues within the community. Inform and educate the public about the impacts of stormwater runoff on water quality.		
	Pollutants of Concern Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals, Concrete Truck Washout, Construction Chemicals, Construction Debris.		
YEAR	ACTIVITY	MEASUREABLE GOALS	IMPLEMENTATION NOTES
Permit Year 1 (1/1/2021-12/31/2021)	Implement an outreach activity for industrial runoff.	☐ Implement and track community outreach activities	
Permit Year 2 (1/1/2022-12/31/2022)	Implement outreach activity for illicit discharge. Implement outreach activity for construction	annually (may include activities that also meet another BMP	
Permit Year 3 (1/1/2023-12/31/2023)		requirement).	
Permit Year 4 (1/1/2024-12/31/2024)	runoff. Implement outreach		
Permit Year 5 (1/1/2025-5/31/2026)	activity for post- construction runoff.		

BMP 14	INDUSTRIAL STORMWATER DISCHARGE PROGRAM		
Audience Residents Visitors X Public Service Employees X Commercial	Description Most industrial facilities expose materials to stormwater through the outdoor storage, handling, and transfer of product materials, by products, and waste products. These industrial products often contain pollutants such as metals, fuel, oil, and grease which negatively impact stormwater runoff. Additionally, industrial activities can cause erosion and sediment problems that also impact stormwater runoff. The City of Lawton, as a Phase II MS4, is responsible for identifying and monitoring industrial discharges into the City's MS4.		
X Industrial Construction	Rationale for Selection Industrial users contribute to the overall water quality of the MS4. By identifying and inspecting the industrial discharges within the system, the City can identify cost-effective, protective and simple solutions, such as non-structural BMPS like increased good housekeeping, to improve stormwater quality from industrial users within the MS4.		
	Pollutants of Concern Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals.		
YEAR	ACTIVITY	MEASUREABLE GOALS	IMPLEMENTATION NOTES
Permit Year 1 (1/1/2021-12/31/2021)	Develop list of industrial facilities within MS4.	☐ Identify 100% of industrial land uses.	
Permit Year 2 (1/1/2022-12/31/2022)	Develop ordinances to prevent or reduce pollutants from industrial activities. Update list of industrial facilities within the MS4.	☐ Inspect up to 10 (or 20% of total industrial facilities if less than 50) per year.	
Permit Year 3 (1/1/2023-12/31/2023)	Update list of industrial facilities within the MS4.	☐ Inspect up to 10 (or 20% of total industrial facilities if less than 50) per year.	
Permit Year 4 (1/1/2024-12/31/2024)	Review ordinances to prevent or reduce pollutants from industrial activities. Update list of industrial facilities within the MS4.	Inspect up to 10 (or 20% of total industrial facilities if less than 50) per year.	
Permit Year 5 (1/1/2025-5/31/2026)	Update list of industrial facilities within the MS4.	☐ Inspect up to 10 (or 20% of total industrial facilities if less than 50) per year.	

BMP 15 ILLICIT DISCHARGE DETECTION INVESTIGATIONS **Audience** Description The City staff will utilize dry weathering screening to aid in illicit discharge detection. X Residents Based on the screening results, addition investigation with one of the following techniques may be warranted. Fluorescent dye testing - method of detecting illegal X Visitors connections through the flushing of colored or fluorescent dye into drain water in X Public Service suspect pipes. The presence of this dye in storm drain discharges would confirm the **Employees** presence of an illegal connection. Smoke testing - injection of non-toxic zinc chloride smoke in sewer manholes. Observations of smoke escaping through storm drain inlets X Commercial indicate illegal connections. Remote TV camera inspections are used more commonly X Industrial to detect illegal connections of business wastewater to the storm drain system. This X Construction method can detect improper connections such as cross-connections and also allows City employees to examine the physical condition of the manholes and storm sewer lines. **NOTE: Increased** Rationale for Selection priority will be The City of Lawton is currently using all of these techniques to screen for illicit discharge given to areas detection investigations. The dry weather screening program is performed on a along Wolf Creek watershed basis and may flag areas of concern for investigation by one of the other listed on the 303(d) listed techniques. list (from Gore and NW 44th Street to **Pollutants of Concern** Pecan and Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Railroad). Bacteria, Metals. **MEASUREABLE IMPLEMENTATION YEAR NOTES ACTIVITY GOALS** Dry Weather Field ☐ 40% of outfalls screening program will should be screen Permit Year 1 provide visual annually. (1/1/2021-12/31/2021) inspection of outfalls to ☐ Dry weather field assess condition and screening at high detect illicit discharges, priority areas as Permit Year 2 noted above including illegal (1/1/2022-12/31/2022) dumping and annually. connections to the MS4. ☐ If an illicit discharge is found, samples should be collected Illicit Discharge Permit Year 3 (1/1/2023-12/31/2023) Investigation should to attempt to include inspections of characterize the the MS4 to detect illicit pollutant. discharges. The ☐ Maintain list of Permit Year 4 inspections will be done occasional (1/1/2024-12/31/2024) visually by inspecting incidental noncreeks, channels, stormwater manholes, and other discharges identified Permit Year 5 accessible parts of the during inspections. (1/1/2025-5/31/2026) MS4.

BMP 16	STORM DRAIN SYST	TEM MAPPING	
Audience X Residents Visitors X Public Service Employees X Commercial X Industrial Construction	Description A required component of any stormwater management program is to develop, implement and enforce a program to detect and eliminate illicit discharges to municipal separate storm sewer systems (MS4s). To facilitate the illicit discharge detection and elimination program, a storm sewer system map must identify the location of all outfalls and the names and locations of the surface waters to which they drain. The location of pipes, ditches and other conveyances associated with the storm sewer system should also be identified. The map may range from a simple paper map to a sophisticated GIS and may be prepared using existing drainage maps. Supplemental information on outfall locations may be derived from visual inspections along streambanks. Outfall locations may also be approximated through comparison of surrounding terrain to features denoted on topographical maps. Precise locations of outfalls may be determined using GPS. Rationale for Selection A storm drain system map is a required component of this minimum control measure and must identify the locations of all outfalls to the MS4 and the names and locations of the surface waters to which they drain. The City has already developed a storm drain system map utilizing GIS, which can be updated on an as needed basis to reflect current conditions.		
	Pollutants of Concern Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals.		
YEAR	ACTIVITY	MEASUREABLE GOALS	IMPLEMENTATION NOTES
Permit Year 1 (1/1/2021-12/31/2021)	Annually update existing GIS Map.	☐ Create a list of 100% complete updates. ☐ Updated at least	
Permit Year 2 (1/1/2022-12/31/2022)		annually.	
Permit Year 3 (1/1/2023-12/31/2023)			
Permit Year 4 (1/1/2024-12/31/2024)			
Permit Year 5 (1/1/2025-5/31/2026)			

BMP 17	ILLICIT DISCHARGE ORDINANCE		
Audience X Residents X Visitors	Description The City will modify existing ordinances or implement new ordinances to prohibit illicit discharges and illegal connections to the MS4, as well as sanctions to ensure compliance, to the extent allowable under State and local law.		
X Public Service EmployeesX CommercialX Industrial	Rationale for Selection Since the Phase II NPDES regulations require the establishment of a regulatory mechanism, the City will need to strengthen their existing ordinances to specifically prohibit illicit discharges and illegal connections to their MS4.		
NOTE: Increased priority will be given to areas along Wolf Creek listed on the 303(d) list (from Gore and NW 44 th Street to Pecan and Railroad).	Pollutants of Concern Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals.		
	_	MEASUREABLE	IMPLEMENTATION
YEAR	ACTIVITY Review current	GOALS □ A course of action	NOTES
Permit Year 1 (1/1/2021-12/31/2021)	ordinance and compare to new permit requirements.	and time schedule should be developed and used	
Permit Year 2 (1/1/2022-12/31/2022)	Enforcement Actions including referrals, spill reports, inspections,	to correct the violators. Immediate Cease and Desist Order	
Permit Year 3 (1/1/2023-12/31/2023)	and sampling may be used to identify violations of City stormwater regulations.	may be implemented if the discharge is determined to cause unacceptable health	
Permit Year 4 (1/1/2024-12/31/2024)	Failure to comply shall result in further enforcement actions, including fines,	or environmental risk.	
Permit Year 5 (1/1/2025-5/31/2026)	suspension of permit issuance, or criminal prosecution.		

BMP 18	REDUCE ILLEGAL DUI	MPING		
Audience	Description A plan to detect and address illegal dumping is a required component of illicit discharge			
X Residents	detection and elimination, mandated under Phase II. Illegal dumping consists of			
X Visitors	disposal of waste in undesignated areas or pouring of liquid wastes or disposal of trash down storm drains. The most effective method of curbing illegal dumping is to			
X Public Service Employees	implement an aggressive public education program. Public education programs may rely on several methods including signs erected in problem areas, brochures, websites,			
X Commercial	drain marking, billboards,	public service announcem	nents, or a hotline.	
X Industrial	Rationale for Selection	on		
X Construction NOTE: Increased	cities, Lawton will implem recommended BMPs fo	ent a targeted public educ	pecifically required for all Phase II ation program, using several of the minimum control measure. The s program.	
priority will be given to areas along Wolf Creek listed on the 303(d) list (from Gore and NW 44 th Street to Pecan and Railroad).	Pollutants of Concerr Sediment, Solid and Sanit Bacteria, Metals.		itrogen, Pesticides, Oil and Grease,	
		MEASUREABLE	IMPLEMENTATION	
YEAR	ACTIVITY	GOALS	NOTES	
Permit Year 1 (1/1/2021-12/31/2021)	Continue to track locations of identified illegal dumps.	☐ Update GIS map of dump locations as needed. ☐ Create a disposition		
Permit Year 2 (1/1/2022-12/31/2022)	Report on disposition of dumping sites and investigations.	report annually. Investigate 100% of illegal dumping		
Permit Year 3 (1/1/2023-12/31/2023)		reports.		
Permit Year 4 (1/1/2024-12/31/2024)				
Permit Year 5 (1/1/2025-5/31/2026)				

BMP 19	IN-STREAM WATER	QUALITY MONITORIN	IG	
Audience X Residents Visitors	Description In-stream monitoring tests can test for a variety of chemicals to help identify and correct potential water quality problems that may threaten beneficial uses of water. Any significant shifts in results could indicate potential impairments.			
X Public Service EmployeesX CommercialX IndustrialX Construction	Rationale for Selection The Oklahoma Conservation Commission's Water Quality Division operates the Blue Thumb Program that works to protect water resources against nonpoint source pollution. Volunteers are encouraged to perform chemical, biological and physical monitoring on a routine basis to gather information on the stream. The City of Lawton is able to partner with Blue Thumb for water quality monitoring activities. Blue Thumb will provide material required to perform associated testing. In turn, the testing results will be submitted to Blue Thumb staff to help identify impaired waters. Pollutants of Concern			
	Sediment, Solid and Sanit Bacteria, Metals.	ary Waste, Phosphorus, N MEASUREABLE	itrogen, Pesticides, Oil and Grease, IMPLEMENTATION	
YEAR	ACTIVITY	GOALS	NOTES	
Permit Year 1 (1/1/2021-12/31/2021)	Continue partnership with Oklahoma Conservation Commission, Blue Thumb to identify testing location and provide materials. Conduct one water quality monitoring per quarter.	☐ Maintain results from quarterly monitoring.		
Permit Year 2 (1/1/2022-12/31/2022)	Conduct one water quality monitoring event per quarter for	☐ Maintain results from quarterly monitoring.		
Permit Year 3 (1/1/2023-12/31/2023)	each year. Report results to			
Permit Year 4 (1/1/2024-12/31/2024)	Oklahoma Conservation Commission, Blue Thumb			
Permit Year 5 (1/1/2025-5/31/2026)				

BMP 20	PLAN REVIEW PROCI	EDURES		
Audience Residents Visitors Public Service Employees X Commercial	Description As part of the development review procedures, City of Lawton staff reviews construction plans, including erosion control and grading plans. For commercial developments, the City utilizes a review checklist that includes drainage quantity considerations as well as compliance with the City's erosion control ordinance. To determine the effectiveness of the CGP training and gauge the need for additional CGP training, the City will monitor the percentage of initial submittals that comply with the OPDES CGP.			
X Industrial X Construction	Rationale for Selection The Phase II NPDES regulations require the establishment of plan review procedures that consider potential water quality impacts. The Stormwater Management staff currently performs reviews of development plans. All plans involving earth moving activities of 1 acre or more within city limits are required to obtain an earth change permit from the City of Lawton and are fully reviewed for compliance with City of Lawton standard drainage policy and stormwater ordinance.			
	Pollutants of Concern Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals, Concrete Truck Washout, Construction Chemicals, Construction Debris.			
YEAR	ACTIVITY	MEASUREABLE GOALS	IMPLEMENTATION NOTES	
Permit Year 1 (1/1/2021-12/31/2021)	Review 100% of construction plans submitted for permit	☐ Create a compliance report for each construction plan.		
Permit Year 2 (1/1/2022-12/31/2022)	and track compliance with the Construction General Permit.			
Permit Year 3 (1/1/2023-12/31/2023)				
Permit Year 4 (1/1/2024-12/31/2024)				
Permit Year 5 (1/1/2025-5/31/2026)				

BMP 21	CONSTRUCTION INSP	PECTION		
Audience Residents Visitors Public Service Employees	Description Construction sites can be a significant source of sediment for MS4s, especially when installation and maintenance of erosion and sediment controls are not required or adequately enforced. The Stormwater Management Division will permit and perform inspections on all sites disturbing 1 acre or more of land, or sites less than 1 acre if they are part of a common plan of development.			
X Commercial X Industrial X Construction	Rationale for Selection The City of Lawton Stormwater Management Division currently permits and performs inspections for all sites that disturb 1 acre or more. Proper erosion and sediment control practices is an important step in preventing construction related pollutants from entering the MS4.			
	Pollutants of Concern Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals, Concrete Truck Washout, Construction Chemicals, Construction Debris.			
YEAR	ACTIVITY	MEASUREABLE GOALS	IMPLEMENTATION NOTES	
Permit Year 1 (1/1/2021-12/31/2021)	Continue existing construction inspections.	☐ Inspect all regulated construction sites monthly.		
Permit Year 2 (1/1/2022-12/31/2022)	Track construction inspections. Maintain a list of construction			
Permit Year 3 (1/1/2023-12/31/2023)	inspections.			
Permit Year 4 (1/1/2024-12/31/2024)				
Permit Year 5 (1/1/2025-5/31/2026)				

BMP 22	WATER QUALITY PROTECTION ZONE			
Audience Residents Visitors Public Service	Description Natural buffer zones minimize sediment discharges. The area should be at least fifty (50) feet from the top of the bank to disturbed portion. Where no natural buffer exists due to preexisting development disturbances structural controls should be used along those perimeter areas that will receive stormwater from earth-disturbing activities.			
Employees X Commercial X Industrial X Construction	Rationale for Selection The City of Lawton Stormwater Management Division currently permits and performs inspections for all sites that disturb 1 acre or more. Proper erosion and sediment control practices is an important step in preventing sediment from entering the MS4. The City will develop regulatory language consistent with State requirements for vegetated buffer zones.			
	Pollutants of Concern Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals, Concrete Truck Washout, Construction Chemicals, Construction Debris.			
YEAR	ACTIVITY	MEASUREABLE GOALS	IMPLEMENTATION NOTES	
Permit Year 1 (1/1/2021-12/31/2021)	Research regulatory language for vegetated buffer zones.	☐ Compile research.		
Permit Year 2 (1/1/2022-12/31/2022)	Develop ordinance to establish water quality protection zone.	☐ Create a draft ordinance.		
Permit Year 3 (1/1/2023-12/31/2023)	Adopt and enforce ordinance for water quality protection zone.	☐ Track enforcement of the ordinance.		
Permit Year 4 (1/1/2024-12/31/2024)				
Permit Year 5 (1/1/2025-5/31/2026)				

BMP 23	POST-CONSTRUCTION	N BMP MANUAL		
Audience Residents Visitors Public Service Employees X Commercial X Industrial X Construction	Description Lawton will evaluate the need and develop a manual to address post-construct runoff from new development and redevelopment projects if necessary. A BMP Demonstrated Manual that will accompany the post-construction ordinance would provide the deguidance for different types of BMPs. Rationale for Selection The OPDES Small MS4 general permit requires the City to provide for the long-troperation and maintenance of the post-construction BMPs that are constructed in a development and redevelopment projects that disturb greater than or equal to acre. Proper maintenance of the post-construction BMPs requires knowing de			
	Pollutants of Concern Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Greas Bacteria, Metals, Concrete Truck Washout, Construction Chemicals, Construction Debris.			
YEAR	ACTIVITY	MEASUREABLE GOALS	IMPLEMENTATION NOTES	
Permit Year 1 (1/1/2021-12/31/2021)	Collect and review examples of stormwater ordinances. Evaluate currently adopted and utilized post construction BMP manuals.	□ List of possible language to use.		
Permit Year 2 (1/1/2022-12/31/2022)	Develop a "Post Construction BMP Design Manual," as necessary.	☐ List of possible language to use.		
Permit Year 3 (1/1/2023-12/31/2023)	Draft a "Post Construction BMP Design manual," as necessary.	☐ Create draft BMP manual.		
Permit Year 4 (1/1/2024-12/31/2024)	Adopt a "Post Construction BMP Design Manual" as necessary.	☐ Create/adopt BMP manual.		
Permit Year 5 (1/1/2025-5/31/2026)	Adopt a "Post Construction BMP Design Manual;" as necessary.	☐ Create/adopt BMP manual.		

BMP 24	LONG TERM OPERAT	IONS AND MAINTENA	ANCE OF BMPS	
Audience X Residents X Visitors X Public Service	Description There are many structural controls located throughout the municipality that are owned and operated by both public and private entities. A comprehensive maintenance plan is needed to address all of the practices. Inspection and maintenance schedules can be developed to maximize efficiency and minimize labor requirements.			
Employees X Commercial X Industrial X Construction	Rationale for Selection The OPDES Small MS4 general permit also requires the City to provide for the long-term operation and maintenance of the post-construction BMPs that are constructed in new development and redevelopment projects that disturb greater than or equal to one acre. Proper maintenance of the post-construction BMPs requires knowing the location of each BMP to be maintained and a regular inspection process. Pollutants of Concern			
YEAR	Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals. MEASUREABLE IMPLEMENTATION ACTIVITY GOALS NOTES			
Permit Year 1 (1/1/2021-12/31/2021)	Inspect existing post construction BMPs and log results into the PC BMP database.	☐ Inspect 20% of existing post- construction BMPs. ☐ Review 100% of	NOTES	
Permit Year 2 (1/1/2022-12/31/2022)	Review submitted O&M manuals and save	submitted O&M manuals.		
Permit Year 3 (1/1/2023-12/31/2023)	copies in corresponding project folder.			
Permit Year 4 (1/1/2024-12/31/2024)	Update GIS coverage of BMPs.			
Permit Year 5 (1/1/2025-5/31/2026)				

BMP 25	PUBLIC PROPERTY LO	OW IMPACT DEVELOP	MENT IMPLEMENTATION	
Audience Residents Visitors X Public Service Employees	Description LID provides two primary benefits. The post construction site hydrology will more closely mimic the pre-development hydrology reducing the downstream erosion that may occur due to increased runoff. Pollutants in runoff from the site will be significantly reduced. LID techniques should be considered and encouraged in all development/ redevelopment including municipal projects.			
Commercial Industrial X Construction	Rationale for Selection The OPDES Small MS4 general permit also requires the City to allow for LID implementation. The City of Lawton Stormwater Management and Engineering Divisions will work together to suggest LID for future development to meet the following goals: Reduce stormwater runoff while improving water quality Promote rainwater harvesting Reduce offsite runoff and increase groundwater recharge Reduce erosion and hydrologic impacts downstream			
	Pollutants of Concert Sediment, Solid and Sanit Bacteria, Metals.	-	itrogen, Pesticides, Oil and Grease,	
YEAR	ACTIVITY	MEASUREABLE GOALS	IMPLEMENTATION NOTES	
Permit Year 1 (1/1/2021-12/31/2021)	Encourage LID design in at least one City of Lawton funded	☐ At least one project completed with LID design annually.		
Permit Year 2 (1/1/2022-12/31/2022)	development, redevelopment, or enhancement project annually.			
Permit Year 3 (1/1/2023-12/31/2023)				
Permit Year 4 (1/1/2024-12/31/2024)				
Permit Year 5 (1/1/2025-5/31/2026)				

BMP 26	LOW IMPACT DEVELO	OPMENT BARRIERS		
Audience X Residents X Visitors X Public Service Employees	Description LID provides two primary benefits. The post construction site hydrology will more closely mimic the pre-development hydrology reducing the downstream erosion that may occur due to increased runoff. Pollutants in runoff from the site will be significantly reduced. LID techniques should be considered and encouraged in all development/ redevelopment including municipal projects.			
X Commercial X Industrial X Construction	Rationale for Selection The OPDES Small MS4 general permit also requires the City to allow for LID implementation. The City of Lawton Stormwater Management and Engineering Divisions will work together to suggest LID for future development to meet the following goals: Reduce stormwater runoff while improving water quality Promote rainwater harvesting Reduce offsite runoff and increase groundwater recharge Reduce erosion and hydrologic impacts downstream			
	Pollutants of Concern Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals.			
YEAR	ACTIVITY	MEASUREABLE GOALS	IMPLEMENTATION NOTES	
Permit Year 1 (1/1/2021-12/31/2021)	Review ordinance and regulations and identify the legal/regulatory barriers.	☐ List LID barriers.		
Permit Year 2 (1/1/2022-12/31/2022)	Remove barriers by changing ordinances/ policies that prohibit LID practices.	☐ Create draft ordinances without LID barriers.		
Permit Year 3 (1/1/2023-12/31/2023)	Adopt the new ordinance without the LID barriers.	☐ Adopt ordinances without LID barriers.		
Permit Year 4 (1/1/2024-12/31/2024)	Provide justification for remaining barriers not removed in revised	☐ Review and update ordinances with LID barriers.		
Permit Year 5 (1/1/2025-5/31/2026)	ordinance.			

BMP 27	LOW IMPACT DEVEL	OPMENT OUTREACH		
Audience X Residents X Visitors X Public Service Employees	Description LID provides two primary benefits. The post construction site hydrology will more closely mimic the pre-development hydrology reducing the downstream erosion that may occur due to increased runoff. Pollutants in runoff from the site will be significantly reduced. LID techniques should be considered and encouraged in all development/redevelopment including municipal projects.			
X Commercial X Industrial X Construction	Rationale for Selection The OPDES Small MS4 general permit also requires the City to allow for LID implementation. The City of Lawton Stormwater Management and Engineering Divisions will work together to suggest LID for future development to meet the following goals: Reduce stormwater runoff while improving water quality Promote rainwater harvesting Reduce offsite runoff and increase groundwater recharge Reduce erosion and hydrologic impacts downstream Pollutants of Concern			
		itary Waste, Phosphorus, N	itrogen, Pesticides, Oil and Grease,	
YEAR	ACTIVITY	MEASUREABLE GOALS	IMPLEMENTATION NOTES	
Permit Year 1 (1/1/2021-12/31/2021)	Develop promotional brochure for local builders and general	☐ Annually distribute the promotional brochures to both		
Permit Year 2 (1/1/2022-12/31/2022)	public.	the local builders and general public.		
Permit Year 3 (1/1/2023-12/31/2023)				
Permit Year 4 (1/1/2024-12/31/2024)				
Permit Year 5 (1/1/2025-5/31/2026)				

BMP 28	SPILL RESPONSE AND PREVENTION			
Audience Residents Visitors X Public Service Employees Commercial Industrial Construction	Description A spill response and prevention program should train employees to prevent spills and control releases by stopping the source, containing the spill, properly cleaning the spill, and properly disposing of the contaminated materials. A Spill Prevention Control and Countermeasure Plan (SPCC) is developed for the Lawton Public Works Complex to provide guidelines for spill response and prevention. Any personnel dealing with the movement of any contaminants of type and quantity that could potentially be spilled or cause stormwater contamination will be trained in techniques to prevent spills and what to do in the case of a spill. Within the Public Works Equipment Maintenance Facility personnel, all will be trained yearly on prevention and spill containment and cleanup procedures. All Public Works Divisions dealing with storage of potential contaminants will be charged with the responsibility to train personnel.			
	Rationale for Selection In addition to a reduction in potential contaminated discharges to stormwater runoff, a well-implemented program can greatly enhance the aesthetics of municipal facilities Pollutants of Concern			
	Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals. MEASUREABLE IMPLEMENTATION			
YEAR	ACTIVITY	GOALS	NOTES	
Permit Year 1 (1/1/2021-12/31/2021)	Review and revise SPCC Plan as needed. Perform activities required by SPCC plan including training	□ Document SPCC Plan training.		
Permit Year 2 (1/1/2022-12/31/2022)	Perform activities required by SPCC Plan including training	☐ Document SPCC Plan training annually.		
Permit Year 3 (1/1/2023-12/31/2023)	annually.			
Permit Year 4 (1/1/2024-12/31/2024)	Train Public Works, Field Utilities, and Parks on SPCC Plan.	☐ Review SPCC Plan with Division supervisors. ☐ Train three individuals within		
Permit Year 5 (1/1/2025-5/31/2026)		each division on spill response and prevention activities. Update incident log when spills occur.		

BMP 29	STORM DRAIN SYSTEM CLEANING			
Audience Residents Visitors X Public Service Employees	Description The purpose of this management practice is to reduce the amount of debris, trash and other pollutants in the storm drain system through maintaining and cleaning the stormwater inlets on a regular basis. Special attention should be given to areas with relatively flat or low grades, as these areas typically do not have high enough flows to be self-cleaning.			
Commercial Industrial Construction	Rationale for Selection Removing clogged material from the storm drain inlet can prevent overflows. Cleaning the inlets can also reduce levels of bacteria, increase dissolved oxygen, support instream habitat and restore the catch basins' sediment trapping capacity. Pollutants of Concern Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals.			
YEAR	ACTIVITY	MEASUREABLE GOALS	IMPLEMENTATION NOTES	
Permit Year 1 (1/1/2021-12/31/2021)	Continue cleaning all inlets quarterly or after every significant storm	☐ Create a list of cleaning dates.		
Permit Year 2 (1/1/2022-12/31/2022)	event of 1" or more of precipitation.			
Permit Year 3 (1/1/2023-12/31/2023)				
Permit Year 4 (1/1/2024-12/31/2024)				
Permit Year 5 (1/1/2025-5/31/2026)				

BMP 30	MUNICIPAL LITTER CO	MUNICIPAL LITTER CONTROL			
Audience Residents Visitors X Public Service Employees	Description Municipal litter control is a management practice that involves educating and training municipal employees on the proper storage and disposal of all materials found at a municipal facility. The goal of a municipal litter control program is to prevent the discharge of trash, debris and other pollutants from municipal facilities into local waterways and maintain safe and healthy work places.				
Commercial Industrial Construction	In addition to a reduction	Rationale for Selection In addition to a reduction in potential contaminated discharges to stormwater runoff, a well-implemented program can greatly enhance the aesthetics of municipal facilities.			
	Pollutants of Concern Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals.				
YEAR	ACTIVITY	MEASUREABLE GOALS	IMPLEMENTATION NOTES		
Permit Year 1 (1/1/2021-12/31/2021)	Perform routine litter abatements weekly.	☐ Document weekly litter abatement activities and the			
Permit Year 2 (1/1/2022-12/31/2022)	Remove blowing litter in and around Public Works Complex.	amount of debris removed. □ Remove 100% of blowing litter within			
Permit Year 3 (1/1/2023-12/31/2023)		Public Works Compound. Division housed			
Permit Year 4 (1/1/2024-12/31/2024)		within Public Works Complex will walk designated areas weekly to police			
Permit Year 5 (1/1/2025-5/31/2026)		blowing litter.			

BMP 31	ROADWAY CLEANING	3	
Audience Residents Visitors X Public Service Employees	frequency. Sweeping is per on an as needed basis for clean streets in Lawton. T to meet Lawton's needs.	erformed once per year on residential streets, which a he current equipment and	veeping and cleaning at the current all primary (non-DOT) streets, and appears to be sufficient to maintain staff also appear to be sufficient sweep designated sections of the a bi-weekly basis.
Commercial Industrial Construction	Rationale for Selection The Street Division of the Sweepers. Several other Codebris or trash on the City Pollutants of Concern	on he City of Lawton curre City programs and procedu or streets and in waterways	ntly maintains two vacuum-type res also help reduce the volume of
YEAR	ACTIVITY	MEASUREABLE GOALS	IMPLEMENTATION NOTES
Permit Year 1 (1/1/2021-12/31/2021)	Continue existing regenerative street sweeping and track the	☐ Remove 2,000 cubic yards of debris.	
Permit Year 2 (1/1/2022-12/31/2022)	number of lane miles swept and debris removed.		
Permit Year 3 (1/1/2023-12/31/2023)			
Permit Year 4 (1/1/2024-12/31/2024)			
Permit Year 5 (1/1/2025-5/31/2026)			

BMP 32	VEHICLE WASHING		
Audience Residents Visitors X Public Service Employees	employees of the water vehicles and measures tha drain system. Practices su can reduce receiving wat	quality impacts that res at can be taken to prevent ch as selecting low phospl	cation efforts to inform municipal ult from the outdoor washing of the runoff from entering the storm nate and biodegradable detergents cice is to ensure that all municipal d treat their rinse water.
Commercial Industrial Construction	Rationale for Selection Vehicle washing is currently being performed for City vehicles at the Lawton Publ Works Complex in designated wash bays. A sand trap is being utilized to filter all was water from the wash bays prior to discharge to the sanitary sewer. A roof structure present over these bays to prevent stormwater from entering the sanitary sewer. Pollutants of Concern Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Greas.		
YEAR	Bacteria, Metals. ACTIVITY	MEASUREABLE GOALS	IMPLEMENTATION NOTES
Permit Year 1 (1/1/2021-12/31/2021)	Inspect wash bays and keep inspection records.	☐ Inspect wash bays once per six months during the winter	
Permit Year 2 (1/1/2022-12/31/2022)	Clean trap once every six months during the winter and every three months during the	and once per three months during the summer. ☐ Remove debris from	
Permit Year 3 (1/1/2023-12/31/2023)	summer and maintain a maintenance log.	trap during inspections and record amounts in	
Permit Year 4 (1/1/2024-12/31/2024)		log.	
Permit Year 5 (1/1/2025-5/31/2026)			

BMP 33	VEHICLE FUELING		
Audience Residents Visitors X Public Service Employees	potential water quality im stations and the developm	pacts that can result from nent of procedures to min anopies to prevent conta	ion of municipal employees on the discharges associated with fueling imize or prevent discharges. These act of rainwater with the fueling ter-measure plans.
Commercial Industrial Construction	involves underground and through ODEQ and equipp Pollutants of Concern	y being performed at the daboveground storage table with leak detection system.	Lawton Public Works Complex and nks. These systems are registered stems.
YEAR	ACTIVITY	MEASUREABLE GOALS	IMPLEMENTATION NOTES
Permit Year 1 (1/1/2021-12/31/2021)	Maintain UST leak detection system and perform annual	☐ Maintain a log with dates of annual pressure testing.	
Permit Year 2 (1/1/2022-12/31/2022)	pressure testing. Annually educate municipal employees on	☐ Maintain a training log of employees that received training.	
Permit Year 3 (1/1/2023-12/31/2023)	proper fuel site safety procedures and potential water quality	U	
Permit Year 4 (1/1/2024-12/31/2024)	impacts.		
Permit Year 5 (1/1/2025-5/31/2026)			

BMP 34	HAZARDOUS MATER	IALS STORAGE & DISP	OSAL	
Audience Residents Visitors X Public Service Employees Commercial Industrial	Description This management practice involves the proper storage of materials at municipal facilities to prevent or reduce the discharge of pollutants to stormwater. These practices typically involve storing material in a designated area, installing secondary containment, inspecting the storage areas frequently and training employees. Rationale for Selection Hazardous materials are stored in several locations within the Lawton Public Works Complex. Employees should receive training on proper storage and handling of			
Construction	Pollutants of Concerr Sediment, Solid and Sanit Bacteria, Metals.		itrogen, Pesticides, Oil and Grease,	
YEAR	ACTIVITY	MEASUREABLE GOALS	IMPLEMENTATION NOTES	
Permit Year 1 (1/1/2021-12/31/2021)	Review and modify standard operations procedures and training materials as needed.	☐ Develop materials storage guidelines. ☐ Provide trainings twice per year.		
Permit Year 2 (1/1/2022-12/31/2022)	Conduct semi-annual training and distribute educational materials,	☐ Conduct two trainings each year.		
Permit Year 3 (1/1/2023-12/31/2023)	posters, and pamphlets to municipal facilities.			
Permit Year 4 (1/1/2024-12/31/2024)				
Permit Year 5 (1/1/2025-5/31/2026)				

BMP 35	SALT STORAGE		
Audience Residents Visitors X Public Service Employees Commercial Industrial Construction	and application can prevstormwater and dissolving as migrate into groundwar as sand, gravel and slag materials. Rationale for Selection The Lawton Public Works is a very inexpensive deilumping together and allowed	vent the highly soluble says in the runoff. This runoff ter used for water supplies hay be used to prevent the Complex currently maintaining material. Storing sale bws for easier loading and	and store road salt. Proper storage alts from coming in contact with can impact local waterways as well. Alternative deicing materials such potential for salt contamination. The said storage dome. Road salt to correctly prevents the salt from application. Calibration devices for appropriate amount of salt
	Pollutants of Concerr Sediment, Solid and Sanit Bacteria, Metals.		itrogen, Pesticides, Oil and Grease,
YEAR	ACTIVITY	MEASUREABLE GOALS	IMPLEMENTATION NOTES
Permit Year 1 (1/1/2021-12/31/2021)	Maintain salt storage dome utilizing current procedures.	☐ Inspect dome after significant storm events.	
Permit Year 2 (1/1/2022-12/31/2022)	List modifications made to salt storage dome.	☐ Correct deficiencies that will expose materials to stormwater.	
Permit Year 3 (1/1/2023-12/31/2023)			
Permit Year 4 (1/1/2024-12/31/2024)			
Permit Year 5 (1/1/2025-5/31/2026)			

BMP 36	USED OIL COLLECTION	N AND RECYCLING	
Audience Residents Visitors	the Lawton Public Works	Complex. This greatly redu	ed oil from vehicle maintenance at uces the City's disposal costs while nto the local sewer system or creeks
X Public Service Employees Commercial Industrial Construction	Rationale for Selection Vehicle maintenance is currently being performed for City vehicles at the Lawton Public Works Complex. Many vehicle fluids such as hydraulic fluid and antifreeze are collected for recycling and refurbishing. The automotive service garage a drain system, which drains to an oil water separator prior to discharge to the sanitary sewer. Pollutants of Concern Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Grease, Bacteria, Metals.		
YEAR	ACTIVITY	MEASUREABLE GOALS	IMPLEMENTATION NOTES
Permit Year 1 (1/1/2021-12/31/2021)	Continue the existing used oil collection procedures at Lawton	☐ Maintain log of used oil disposal. ☐ Oil tanks greater	
Permit Year 2 (1/1/2022-12/31/2022)	Public Works Complex. Properly store, dispose of, or recycle oil.	than 2000 gallon must be recycled by contract waste hauler.	
Permit Year 3 (1/1/2023-12/31/2023)	Maintain and update SPCC Plan as needed.	Complete weekly SPCC Plan inspection	
Permit Year 4 (1/1/2024-12/31/2024)		documents.	
Permit Year 5 (1/1/2025-5/31/2026)			

BMP 37	VEHICLE MAINTENAN	NCE	
Audience Residents Visitors X Public Service Employees Commercial Industrial	program that focuses on a municipal automobile in significant quantities of amounts of waste. Preve parts cleaning and recyc	controlling pollutants and internance. Typically, the fuels, solvents and mote intative measures such as cling of automotive fluids	ment of a training and outreach reducing stormwater impacts from hese municipal facilities contain or oils and often generate large good housekeeping, spill control, s including antifreeze, waste oil, to minimize the impacts of this
Construction	Works Complex. Many ve collected for recycling ar system, which drains to all Pollutants of Concern	rrently being performed for hicle fluids such as hydraund nd refurbishing. The autor n oil water separator prior	or City vehicles at the Lawton Public fluid and antifreeze are already motive service garage has a drain to discharge to the sanitary sewer.
		MEASUREABLE	IMPLEMENTATION
YEAR	ACTIVITY	GOALS	NOTES
Permit Year 1 (1/1/2021-12/31/2021)	Review and continue current vehicle maintenance practices for stormwater	☐ Perform annual training on appropriate stormwater	
Permit Year 2 (1/1/2022-12/31/2022)	pollution prevention BMPs.	pollution prevention BMPs associated with maintenance	
Permit Year 3 (1/1/2023-12/31/2023)		activities.	
Permit Year 4 (1/1/2024-12/31/2024)			
Permit Year 5 (1/1/2025-5/31/2026)			

BMP 38	STORMWATER POLL	UTION PREVENTION T	RAINING		
Audience Residents Visitors X Public Service Employees Commercial	City of Lawton will also prestormwater pollution presit will be included with the Rationale for Selection A regularly scheduled train	repare and implement gen- vention techniques. The me required two-hour training on ning effort will train new e	ping and Pollution Prevention, the eral training for City employees on aterial will be structured such that ng on hazardous communication. mployees on stormwater pollution		
Industrial Construction	refresher course for exist pollution prevention. Th	prevention techniques within their first 12 months at the City and will also provide refresher course for existing employees to remind them of their role in stormwat pollution prevention. This training will be held in conjunction with the require hazardous communications class.			
	Pollutants of Concerr Sediment, Solid and Sanit Bacteria, Metals.	=	itrogen, Pesticides, Oil and Grease,		
YEAR	ACTIVITY	MEASUREABLE GOALS	IMPLEMENTATION NOTES		
Permit Year 1 (1/1/2021-12/31/2021)	Conduct annual training for City staff.	☐ Maintain a log of employees that attended training on			
Permit Year 2 (1/1/2022-12/31/2022)		stormwater pollution prevention.			
Permit Year 3 (1/1/2023-12/31/2023)					
Permit Year 4 (1/1/2024-12/31/2024)					
Permit Year 5 (1/1/2025-5/31/2026)					

BMP 39	FACILITY INSPECTION	IS	
Audience Residents Visitors X Public Service Employees	facilities such as vehicle r prevent or reduce the di involves inspecting the co	naintenance, treatment p scharge of pollutants to s mponents of city facilities t	t of a program to inspect municipal lants and public works complex to stormwater. This practice typically that may impact stormwater runoff tive measures where required.
Commercial Industrial Construction	Rationale for Selection A facility inspection program can greatly reduce the potential for contaminated discharges to stormwater runoff by evaluating the implementation and effectiveness of various good housekeeping procedures.		
	Pollutants of Concerr Sediment, Solid and Sanit Bacteria, Metals.		itrogen, Pesticides, Oil and Grease,
YEAR	ACTIVITY	MEASUREABLE GOALS	IMPLEMENTATION NOTES
Permit Year 1 (1/1/2021-12/31/2021)	Review and modify list of facilities to include all industrial facilities owned or operated by the City of Lawton that are subject to DEQ Multi-Sector General Permit for discharges of stormwater associated with industrial activity.	☐ Develop a list of facilities to inspect.	
Permit Year 2 (1/1/2022-12/31/2022)	Applicable facilities will conduct quarterly inspections for each	☐ Document inspection activities for each facility.	
Permit Year 3 (1/1/2023-12/31/2023)	Conduct one annual		
Permit Year 4 (1/1/2024-12/31/2024)	facility audit of inspection process.		
Permit Year 5 (1/1/2025-5/31/2026)	Maintain records and submit industrial NOI for each facility with annual report.		

BMP 40	WASTEWATER INFRA	ASTRUCTURE REHAB/F	REPLACEMENT	
Audience Residents Visitors X Public Service Employees Commercial	sources of stormwater portion of pollutants that can posture. Wastewater leak grease, trash, organics are	ollution, some activities and ose a threat to both humand s and overflow can introdund and oxygen demanding subs	c utilities are not considered chronic d accidents can result in the discharge in health and the quality of receiving ice sediment nutrients, bacteria, oil & tances into the MS4. Sewage incident ed effort between staff from different	
Industrial Construction	Rationale for Selection Procedures can be employed to reduce pollutants from discharges associated with a utility operations and maintenance activities. A routine inspection and mainten program should be established to clean sewer lines and identify repair needs. The near repairs can be prioritized based on the nature and severity of the problem and corresponding a rehabilitation and replacement program. Pollutants of Concern Sediment, Solid and Sanitary Waste, Phosphorus, Nitrogen, Pesticides, Oil and Greateria, Metals.			
		MEASUREABLE		
YEAR	ACTIVITY	GOALS	IMPLEMENTATION NOTES	
Permit Year 1 (1/1/2021-12/31/2021)	Perform rehabilitation and replacement of wastewater manholes	Rehabilitate/replace 50 manholes annually.		
Permit Year 2 (1/1/2022-12/31/2022)	and wastewater pipelines.	Rehabilitate/replace 20,000 feet of pipe annually.		
Permit Year 3 (1/1/2023-12/31/2023)				
Permit Year 4 (1/1/2024-12/31/2024)				
Permit Year 5 (1/1/2025-5/31/2026)				

Appendix C OPDES Small MS4 General Permit

Oklahoma Department of Environmental Quality Water Quality Division

General Permit OKR04

Phase II Small Municipal Separate Storm Sewer System Discharges Within the State of Oklahoma



JUNE 1, 2021

General Permit for Stormwater Discharges Associated with Municipal Separate Storm Sewer Systems in Small Cities, Urbanized Areas, and Other County Areas in the State of Oklahoma

AUTHORIZATION TO DISCHARGE UNDER THE

OKLAHOMA POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Clean Water Act (CWA), Public Law 92-500, as amended, 33 U.S.C. § 1251 et seq.; as required under the Stormwater Phase II Rule at 40 CFR §§ 122-124; and the provisions of the Oklahoma Pollutant Discharge Elimination System (OPDES) OAC 252:606-1-3(b)(3), incorporating by reference 40 CFR §§ 122.26, 122.30-122.35; operators of Small Municipal Separate Storm Sewer Systems (MS4s) are authorized to discharge in accordance with the conditions and requirements set forth herein. The Stormwater Phase II Rule was originally published on December 8, 1999, (64 FR 68722) and became effective on February 7, 2000.

This permit is a reissuance by the Department of Environmental Quality (DEQ) and shall become effective on June 1, 2021. This permit and the authorization to discharge shall expire at midnight on May 31, 2026. As provided in this permit, operators of Small MS4s, located in areas specified herein and who submit Notices of Intent (NOI) in accordance with PART III of this permit are authorized to discharge pollutants to waters of the state in accordance with the conditions and requirements set forth herein.

Signed and issued this 30th day of April, 2021.

Shellie R. Chard, Director

Water Quality Division

Michael B. Moe, P.E., Engineering Manager

Municipal Wastewater and Stormwater Permits

Section

Water Quality Division

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PART I: DEFINITIONS AND ACRONYMS

All definitions contained in section 502 of the CWA (33 U.S.C. § 1362) and 40 CFR § 122.2 shall apply to this permit and are incorporated herein by reference. For convenience, simplified explanations of some regulatory/statutory definitions have been provided, but in the event of a conflict, the definition found in the Statute or Regulation takes precedence.

- **I.A.** Aquatic Resource of Concern (ARC) is a waterbody corridor which contains habitat for federally listed (by the U.S. Fish and Wildlife Service) or state listed (by the Oklahoma Department of Wildlife Conservation) endangered or threatened aquatic species.
- **I.B. Best Management Practice (BMP)** is the schedule of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the state. BMPs also include treatment requirements, operating procedures, and practices to control runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.
- **I.C.** Construction Site Operator means, for the purpose of this permit and in the context of stormwater associated with construction activity, any party or parties associated with a construction project that meets either of the following criteria:
 - 1. The party must have operational control over construction plans and specifications, including the ability to make modifications to those plans and specifications (e.g., owner of the site).
 - 2. The party must have day-to-day operational control of those activities at a project that are necessary to ensure compliance with a Stormwater Pollution Prevention Plan (SWP3) for the site or other permit conditions (e.g., general contractor of the project).

In addition, "owner" refers to the party that owns the structure being built. Ownership of the land where construction is occurring does not necessarily imply the property owner is an operator (e.g., a landowner whose property is being disturbed by construction of a gas pipeline or a landowner who allows a mining company to remove dirt, shale, clay, sand, gravel, etc. from a portion of his property). This definition is provided to inform permittees of DEQ's interpretation of how the regulatory definitions of "operator" and "facility or activity" are applied to discharges of stormwater associated with construction activity.

- **I.D. Control Measure** refers to any BMP or other method used to prevent or reduce the discharge of pollutants to waters of the state.
- **I.E.** Clean Water Act (CWA) [33 U.S.C. 1251 et seq.] (formerly referred to as the Water Pollution Control Act or Federal Water Pollution Control Act Amendments of 1972) Pub.L. 92-500, as amended, Pub. L. 95-211, Pub. L. 95-576, Pub. L. 96-483 and Pub. L. 97-117.
- **I.F. Director** means the Executive Director, chief administrator or an authorized representative of the Department of Environmental Quality.
- **I.G. Discharge**, when used without a qualifier, refers to "discharge of a pollutant" as defined at 40 CFR §122.2.
- **I.H. Illicit Discharge** is defined at 40 CFR §122.26(b)(2) and refers to any discharge to a municipal separate storm sewer that is not composed entirely of stormwater, except discharges authorized under an OPDES or NPDES permit (other than the OPDES permit for discharges from the MS4) and discharges resulting from firefighting activities.
- **I.I. Impaired Water** is a water which does not meet one or more of its beneficial uses due to not attaining applicable narrative or numeric water quality standards. Impaired waters are identified in the CWA section 303(d) listing from Appendix C of the most recent Integrated Report. Impaired

- waters include both waters with approved or established TMDLs, and those for which a TMDL has not yet been approved or established.
- **I.J.** Large Common Plan of Development or Sale means an area where multiple separate and distinct land disturbing activities may be taking place at different times, on different schedules, but under one proposed plan. This plan consists of many small construction projects that collectively add up to one or more acres of total disturbed land. For example, an original common plan of development of a residential subdivision might lay out the streets, house lots, and areas for parks, schools and commercial development that the developer plans to build or sell to others for development. All these areas would remain part of the common plan of development or sale until the intended construction is completed.
- **I.K.** Low Impact Development (LID) is an approach to land development (or re-development) that works with nature to manage stormwater as close to its source as possible. LID employs principles such as preserving and recreating natural landscape features, minimizing effective imperviousness to create functional and appealing site drainage that treats stormwater as a resource rather than a waste product.
- **I.L. Maximum Extent Practicable (MEP)** is the technology-based discharge standard for Municipal Separate Storm Sewer Systems (MS4s) to reduce pollutants in stormwater discharges that was established by section 402(p) of the CWA, 33 U.S.C. § 1342. Maximum extent practicable for this permit is detailed in Part V.C.
- **I.M.** Municipal Separate Storm Sewer System (MS4) is used to refer to either a Large, Medium, or Small Municipal Separate Storm Sewer System. The term is used to refer to either the system operated by a single entity or a group of systems within an area that are operated by multiple entities (e.g., the Oklahoma City MS4 includes MS4s operated by Oklahoma City, the Oklahoma Department of Transportation, and others). The term MS4 is defined at 40 CFR § 122.26(b)(8) and means a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains) that is/are
 - owned or operated by a state, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to state law) having jurisdiction over disposal of sewage, industrial wastes, stormwater, or other wastes, including special districts under state law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under section 208 of the CWA that discharges to waters of the United States;
 - 2. designed or used for collecting or conveying stormwater;
 - 3. not a combined sewer; and
 - 4. not part of a Publicly Owned Treatment Works (POTW) as defined at 40 CFR § 403.3(q).
- **I.N. Newly Regulated Small MS4** refers to a small MS4 newly designated as a result of US census data or other new information, and thus required to be covered under an OPDES permit.
- **I.O.** Notice of Intent (NOI) is the mechanism used to "register" for coverage under a general permit.
- **I.P. Non-traditional MS4** means state and federal prisons, office complexes, hospitals, state transportation agencies, universities, public housing authorities, schools and other special districts.
- **I.Q. Notice of Termination (NOT)** is the mechanism used to terminate coverage under a general permit.
- **I.R.** Outstanding Resource Waters (ORW) are designated as such in Oklahoma's Water Quality Standards under OAC 785:45-3-2(a).

- **I.S. Pollutant of Concern (POC)** is a pollutant which causes or contributes to a violation of a water quality standard, including a pollutant which is identified as causing an impairment in the latest 303(d) list, a TMDL report, or watershed plan.
- **I.T. Quality Assurance Project Plan (QAPP)** is a document that outlines the procedures that those who conduct a monitoring project will take to ensure that the data they collect and analyze meets project requirements.
- I.U. Small MS4 is defined at 40 CFR §122.26(b)(16) and refers to all separate storm sewers that are owned or operated by the United States, a state, city, town, county, district, association, or other public body (created by or pursuant to state law) having jurisdiction over disposal of sewage, industrial wastes, stormwater, or other wastes, including special districts under state law such as a sewer district, flood control district or drainage district, or similar entity, or a designated and approved management agency under section 208 of the CWA that discharges to waters of the state, but is not defined as a "large" or "medium" municipal separate storm sewer system. This term includes systems similar to separate storm sewer systems in municipalities, such as systems at military bases, large hospital or prison complexes, and highways and other thoroughfares. The term does not include separate storm sewers in very discrete areas, such as individual buildings.
- **I.V. Small MS4 Newly Designated after the Date of Permit Issuance** refers to a small MS4 newly designated by EPA or DEQ after the date of this permit issuance.
- **I.W. Stabilization** is the process of covering exposed ground surfaces with vegetative or non-vegetative practices that reduce erosion and prevent sediment discharge from occurring.
- **I.X. Stormwater** is defined at 40 CFR §122.26(b)(13) and means stormwater runoff, snow melt runoff, and surface runoff and drainage.
- **I.Y. Stormwater Management Program (SWMP)** refers to a comprehensive program to manage the quality of stormwater discharged from the municipal separate storm sewer system (MS4).
- **I.Z. Total Maximum Daily Load (TMDL)** refers to the sum of the individual wasteload allocations (WLAs) for point sources, safety, reserves, and loads from nonpoint sources and natural background.
- **I.AA. Urbanized Area** (**UA**) is defined by the U.S. Census Bureau. The Census Bureau's urban areas represent densely developed territory, and encompass residential, commercial, and other non-residential urban land uses. The Census Bureau delineates urban areas after each decennial census by applying specified criteria to decennial census and other data. The Census Bureau identifies an urbanized area as an area with 50,000 or more people.
- **I.BB.** "You" or "Your," as used in this permit, is intended to refer to the permittee, operator or discharger, as the context indicates, and that party's responsibilities (e.g., the city, the county, the flood control district, the U.S. Air Force, etc.).
- **I.CC.** Waters of the State means all streams, lakes, ponds, marshes, watercourses, waterways, wells, springs, irrigation systems, drainage systems, storm sewers and all other bodies or accumulations of water, surface and underground, natural or artificial, public or private, which are contained within, flow through, or border upon this state or any portion thereof, and shall include under all circumstances the waters of the United States which are contained within the boundaries of, flow through, or border upon this state or any portion thereof. Provided waste treatment systems, including treatment ponds or lagoons designed to meet federal and state requirement other than cooling ponds as defined in the CWA or rules promulgated thereto, and prior converted cropland are not waters of the state [27A O.S. §1-1-201(20)].
- **I.DD. Wasteload Allocation (WLA)** is the fraction of the total pollutant load apportioned to all point sources, and includes stormwater discharges regulated as point sources which are identified in the TMDL as WLA_MS4.

PART II: COVERAGE UNDER THIS PERMIT

II. A. Eligibility

This permit authorizes discharges of stormwater and certain non-stormwater discharges from small MS4s.¹ All operators of small MS4s meeting any of the requirements below are required to comply with this permit:

- 1. Small MS4s fully or partially located within an UA, as determined by the most recent Decennial Census by the U.S. Bureau of Census.
- 2. Small MS4s located outside of an UA with a population greater than or equal to (\ge) 10,000 but less than or equal to (\le) 100,000 with a population density greater than or equal to (\ge) 1,000/square mile or more, as determined by the most recent Decennial Census by the U.S. Bureau of Census.
- 3. Designated MS4s contributing substantial pollutant loads to a regulated MS4 through interconnections.
- 4. Designated MS4s determined by the Director to be applicable.

II. B. Types of Authorized Discharges

- 1. Stormwater discharges from small MS4s are authorized to enter waters of the state except as listed under Part II(C).
- 2. Authorized non-stormwater discharges are
 - a. diverted stream flows;
 - b. uncontaminated discharges from riparian areas and wetlands;
 - c. uncontaminated ground water or spring water;
 - d. residential building wash water that does not use detergents, solvents, and/or soaps;
 - e. uncontaminated pumped ground water;
 - f. uncontaminated ground water infiltration;
 - g. uncontaminated discharges from potable water sources, including water line flushing and fire hydrant flushing;
 - h. foundation drains;
 - i. air conditioning condensate;
 - j. water from crawl space pumps;
 - k. footing drains;
 - 1. residential, non-commercial, and charity car washing;
 - m. landscape irrigation and lawn watering, provided all pesticides, herbicides, and fertilizers have been applied in accordance with the approved manufacturers' instructions and/or labeling;
 - n. uncontaminated and dechlorinated swimming pool discharges;

¹ This permit authorizes discharges of stormwater and certain non-stormwater discharges from small MS4s, as defined in 40 CFR § 122.26(b)(16), adopted and incorporated by reference in Oklahoma Administrative Code (OAC) 252:606-1-3(b)(3). This includes MS4s designated under 40 CFR § 122.32(a)(1) and 40 CFR § 122.32(a)(2) that describe the referenced area with a population greater than or equal to (≥) 10,000 but less than or equal to (≤) 100,000, and small MS4s located in UAs. Operators of small MS4s located outside of an UA may be designated as a regulated MS4.

- street wash water, including wash water generated from the washing of other impervious surfaces such as sidewalks and parking lots, that does not use detergents, solvents, and/or soaps;
- p. discharges in compliance with a separate Oklahoma Pollutant Discharge Elimination System (OPDES) or National Pollutant Discharge Elimination System (NPDES) permit;
- q. discharges of gray water from municipal splash pads (aka, spray parks or spray grounds), as defined in 27A O.S. § 2-6-107, unless otherwise permitted or regulated by DEQ, provided the discharges comply with all applicable municipal or county ordinances enacted pursuant to law (discharges from recirculating systems shall be dechlorinated); and
- r. discharges or flows from emergency firefighting activities or training activities that are not taking place at a permanent facility, provided procedures are in place for the Incident Commander, Fire Chief, or other on-scene firefighting official in charge to make an evaluation regarding potential releases of pollutants from the scene.
 - i. Measures must be taken to reduce any such pollutant releases to the MEP subject to all appropriate actions necessary to ensure public health and safety.
 - ii. These procedures must be documented in your SWMP.
 - iii. These discharges must be in compliance with Part IV.
- 3. Non-stormwater discharges are authorized only under the following conditions:
 - a. Discharges are insignificant sources of pollutants to your small MS4 because of the nature of the discharges or because of the conditions you have established for allowing these discharges to occur (e.g., charity car washes with appropriate controls, proximity to sensitive waterbodies).
 - b. Document in your SWMP any local controls or conditions placed on discharges.
 - c. Include a provision in your SWMP prohibiting any individual non-stormwater discharge that is determined to be contributing significant amounts of pollutants to your MS4.

II. C. Limitations on Coverage

- 1. Discharges mixed with non-stormwater are unauthorized unless such discharges are
 - a. in compliance with a separate OPDES or NPDES permit, or
 - b. determined not to be a substantial contributor of pollutants to waters of the state in accordance with Part II(B)(2) of this permit.
- 2. Discharges associated with industrial activity, as defined in 40 CFR § 122.26(b)(14), are unauthorized.
- 3. Stormwater discharges associated with construction activity, as defined in 40 CFR § 122.26(b)(15), are unauthorized except as provided by Part VIII of this permit.
- 4. Stormwater discharges currently covered under another permit are unauthorized.
- 5. Discharges exceeding water quality standards are unauthorized. Your SWMP must include a description of all necessary BMPs and other measures that you will be using to ensure that discharges, or future discharges, will not cause, have the reasonable potential to cause, or contribute to an exceedance of water quality standards. DEQ may require corrective action or an application for an individual permit or alternative general permit if a small MS4 is determined to cause, have the reasonable potential to cause, or contribute to an exceedance of water quality standards.
- 6. Discharges not consistent with a TMDL are unauthorized. Discharge of a pollutant into any water for which a TMDL, or watershed plan in lieu of a TMDL, for that pollutant has been either established or approved by DEQ or U.S. Environmental Protection Agency (EPA) is prohibited, unless your discharge is consistent with that TMDL, or watershed plan. You must incorporate into

your SWMP any conditions necessary to ensure discharges are consistent with the assumptions and requirements of any such TMDL, or watershed plan. This eligibility condition and compliance with Part IV(B) applies at the time you submit a NOI (see Exhibit III) for coverage. If conditions change after you have permit coverage, you may remain covered by the permit provided you comply with the applicable requirements of Part IV. For discharges not eligible for coverage under this permit, you must apply for and receive an individual or other applicable general OPDES permit.

- 7. Discharges originating on Indian Country are unauthorized. Stormwater discharges from MS4s or construction activities occurring on Indian Country, as defined in 18 U.S.C. § 1151, are not under the authority of DEQ and are not eligible for coverage under this permit. If discharges of stormwater require authorization under federal NPDES regulations, a permit for these discharges must be obtained from the EPA.
- 8. Discharges of material resulting from a spill are unauthorized. If discharges from a spill are necessary to prevent imminent threat to human life, personal injury, or severe property damage, the permittees have the responsibility to ensure the party responsible for the spill takes reasonable and prudent measures to minimize the impact of discharges on human health and the environment. These responsibilities may be in the form of a spill prevention and response plan or through implementation and legal enforcement of other BMPs developed to satisfy the MCMs.

II. D. Historic Preservation

Oklahoma DEQ's OPDES permitting activities are not federal undertakings and, therefore, are not subject to review under section 106 of the National Historic Preservation Act (NHPA). However, applicants and permittees must comply with the Oklahoma State Register of Historic Places Act (53 O.S. § 361), where applicable, and the Burial Disturbance Law (21 O.S. §§ 1168.0-1168.6), as well as with any applicable local laws concerning the identification and protection of historic properties.

Applicants and permittees who may receive federal funding or other federal assistance in the completion of their projects must be aware that compliance with section 106 of the NHPA may apply. For information about the section 106 review process in Oklahoma, Oklahoma properties listed on or eligible for the National Register of Historic Places and related topics, contact the following:

State Historic Preservation Office

Oklahoma Historical Society Oklahoma History Center 800 Nazih Zuhdi Drive Oklahoma City, OK 73105

Tel: (405) 521-6249

To identify historic properties, see the following website:

http://www.okhistory.org/index

Oklahoma Archeological Survey

111 East Chesapeake Norman, OK 73019 Tel: (405) 325-7211

To identify archeological sites, see the following website:

http://www.ou.edu/archsurvey

II. E. Meeting Eligibility Requirements for Endangered Species

1. Eligibility Criteria

- a. Activities authorized by this permit must avoid unacceptable effects to federal and state listed endangered or threatened (listed) species or designated critical habitats. Direct and indirect effects must be considered. Coverage under this permit is available only if your stormwater discharges, allowable non-stormwater discharges, and discharge-related activities are not likely to
 - i. jeopardize the continued existence of any listed species or result in the adverse modification or destruction of critical habitat, or
 - ii. cause a prohibited "take" of endangered or threatened species, ² unless such "take" is authorized under sections 7 or 10 of the Endangered Species Act (ESA).
- b. Discharge-related activities authorized by this permit include activities which cause, contribute to, or result in stormwater point source pollutant discharges and measures to control stormwater discharges. These include the construction and operation of BMPs to control, reduce, or prevent stormwater pollution.

2. Eligibility Certification

- a. You must certify that you have met eligibility criteria for protection of threatened or endangered species and their critical habitat. Your signed NOI will constitute your certification of eligibility. If the eligibility requirements cannot be met, you may seek coverage under a DEQ individual permit. This eligibility must be evaluated before the NOI is submitted. DEQ strongly recommends that you conduct this evaluation at the earliest possible stage to ensure that measures to protect listed species are incorporated early in the planning process.
- b. You must state on the NOI which of the criteria listed in Part II(E)(2)(c) you are relying upon for meeting the Endangered Species eligibility.
- c. You must meet one or more of the criteria below for the entire term of coverage under this permit. If you are located partially or wholly in an area described in Exhibit I,³ then you must meet criterion B, C, D, or E for the term of this permit. If you are not located in the shaded area or watersheds listed in Exhibit I, then you meet the terms of criterion A. The information used to make the eligibility determination must be documented and included as part of the SWMP.
 - i. Criterion A requires that endangered or threatened species or critical habitats are not in proximity to the small MS4. The point where authorized discharges reach waters of the state is not located within an area shown as an ARC.
 - ii. Criterion B requires that in the course of a separate federal action involving the small MS4, formal or informal consultation with the U.S. Fish and Wildlife Service (FWS) under section 7 of the ESA has been concluded and that consultation
 - addressed the effects of the stormwater discharges, allowable non-stormwater discharges, and discharge-related activities on listed species and critical habitat; and

 $^{^2}$ "Endangered" and "threatened" are defined under section 3 of the ESA and 50 CFR \S 17.3.

³ Refer to Exhibit I for the map and list of Aquatic Resources of Concern for this permit. The shaded regions of the map are considered to be Aquatic Resources of Concern.

- (2) resulted in either a "no jeopardy" opinion or a written concurrence by the FWS on a finding that the stormwater discharges, allowable non-stormwater discharges, and discharge-related activities are not likely to adversely affect listed species or critical habitat. You must submit a copy of the FWS determination with your NOI.
- iii. Criterion C requires that the activities of the small MS4 are authorized under section 10 of the ESA and that authorization addresses the effects of the stormwater discharges, allowable non-stormwater discharges, and discharge-related activities on listed species and critical habitat. You must submit a copy of the authorization with your NOI.
- iv. Criterion D requires that the applicant has evaluated, using best judgment and available scientific and commercial data, the effects of the stormwater discharges, allowable non-stormwater discharges, and discharge-related activities on listed species and critical habitat. Based on the evaluation, the permittee has determined that there is no reason to believe the discharge and discharge-related activities are likely to adversely affect any listed species or result in the adverse modification or destruction of critical habitat. Any measures necessary to maintain eligibility under this criterion must be documented in the SWMP.
- v. Criterion E requires that the stormwater discharges, allowable non-stormwater discharges, and discharge-related activities were already addressed in another operator's certification of eligibility under Part II(E) which includes the small MS4 activities. By certifying eligibility under this criterion, the applicant agrees to comply with any measures or controls upon which the other operator's certification was based. Your SWMP must identify the operator upon whom you are relying.

PART III: AUTHORIZATION UNDER THIS PERMIT

III. A. Obtaining Authorization

- 1. Submit an official NOI to receive authorization to discharge stormwater from a small MS4 (see Exhibit III). The NOI you submit must be complete with all required information and supporting documentation.
- 2. There is an annual permit fee and an application fee for all renewal or new NOIs. For new permittees, the first year's permit fee will be prorated and will cover the period beginning the issuance date of your authorization and ending June 30th of the coinciding fiscal year. The fee schedule is in OAC 252:606-3-4(d). An invoice will be sent upon receipt of the NOI. Your authorization will not be processed until the fee is paid.
- 3. Upon receipt of your properly completed NOI and application/permit fees, DEQ will process the information and notify you by return mail with an authorization certificate accompanied by a letter of notification. You are not authorized to discharge stormwater from a small MS4 under the terms and conditions of this permit until an authorization is received from DEQ.
- 4. Where a change of operator is required, or where a new operator is added after submittal of a NOI, a new NOI must be submitted prior to the change or addition.

III. B. Categories of Small MS4s

This permit divides small MS4s into categories based on population as determined by the most recent Decennial Census by the U.S. Bureau of Census.

- 1. Category 1 small MS4s serve a population less than (<) 10,000 within an UA, unless otherwise specified.
- 2. Category 2 small MS4s serve a population greater than or equal to (≥) 10,000, but less than (<) 50,000, within an UA, or a population greater than or equal to (≥) 10,000 but less than or equal to (≤) 100,000 with a population density greater than or equal to (≥) 1,000/square mile or more located outside of an UA.
- 3. Category 3 small MS4s serve a population greater than or equal to (\ge) 50,000 within an UA.

III. C. Deadlines for Notification

- 1. Renewal Permittees must submit a new NOI (see Exhibit III) or apply for an individual permit within 90 days of the effective date of this permit. Authorization under the 2015 permit will be administratively extended for a period not to exceed 90 days from the effective date of this Permit. You must update your existing SWMP according to this Permit.
- 2. Newly Regulated Small MS4s must submit a NOI within 180 days of the effective date of this permit. You must develop and implement a SWMP according to this permit. You are required to implement the SWMP during the first five (5) year permit term (see Part V).
- 3. Small MS4 Newly Designated after the Date of Permit Issuance are required to submit a NOI to DEQ within 180 days of being notified by DEQ that you operate a regulated small MS4 unless the notice specifies a different deadline. You must develop and implement a SWMP according to this permit. You are required to implement the SWMP as soon as practicable.

III. D. Co-Permittees

You may partner with other MS4s to develop and implement your SWMP. Each co-permittee must complete a separate NOI form. Your SWMP must clearly describe which permittees are responsible for implementing each of the control measures.

III. E. Terminating Coverage

- 1. You must submit a completed NOT (see Exhibit IV) to DEQ within 30 days if you
 - a. cease discharging stormwater from the MS4,
 - b. cease operations at the MS4, or
 - c. transfer ownership or responsibility for the MS4 to another operator.
- 2. DEQ will review the NOT for completeness. Upon completing review, DEQ will notify you if the termination requirements have been met. You are responsible for meeting the terms of this permit until such notification has been issued.

III. F. Where to Submit

Submit your documents, along with supporting materials, to DEQ at the following address, fax, or email:

Oklahoma Department of Environmental Quality Water Quality Division PO Box 1677 Oklahoma City, OK 73101-1677

(fax) 405-702-8101

(email) ms4permitting@deq.ok.gov

All documents shall be submitted in accordance with all state and federal reporting requirements.

PART IV: SPECIAL CONDITIONS AND COMPLIANCE WITH WATER QUALITY STANDARDS

IV. A. Discharges to Impaired Waters

Operators seeking coverage under this permit shall not cause or contribute, or have the reasonable potential to cause or contribute, to a violation of a water quality standard. If you have discharges to receiving waters included in the latest section 303(d) list of impaired waters under the CWA, you must document in your SWMP how you will comply with the following requirements.⁴

- 1. Implement and maintain BMPs that will ensure that the 303(d) impairment caused by identified pollutants (e.g., nitrogen, phosphorus, bacteria) in your receiving waters will not cause, have the reasonable potential to cause, or contribute to an in-stream exceedance of water quality standards. You must provide the following information when developing or revising your SWMP:
 - a. You must develop a plan which lists the BMPs you have implemented or will implement to reduce the pollutants of concern. The plan must describe how you expect the selected controls to reduce the pollutants of concern.
 - b. Your outreach programs must be directed toward targeted groups of commercial, industrial and institutional entities likely to have significant stormwater impacts on your impaired waters.
 - c. You must identify any non-stormwater discharges that contribute significant pollutants to your impaired waters.
 - d. You must locate those areas likely to have illicit discharges and conduct inspections based on the priority areas in the watershed of your 303(d) listed waterbodies.
 - e. You must include any operation and maintenance procedures for structural and nonstructural stormwater controls to reduce pollutants discharged into your impaired water.
 - f. You must ensure that new flood management projects assess the impacts on water quality and examine existing projects to determine if incorporating additional water quality protection devices and practices are necessary.
 - g. You must choose BMPs from EPA's menu or select others that can be used for managing the identified pollutants (e.g., nitrogen, phosphorus, bacteria) in your discharges. The details of the BMPs can be viewed on the following EPA website: https://www.epa.gov/npdes/national-menu-best-management-practices-bmps-stormwater#edu
 - h. If the POC is bacteria, you must include a list of identified BMPs addressing the areas below, as applicable, in the SWMP and implement as appropriate. You must include these BMPs under each associated minimum control measure under Part V(C). BMPs must address
 - i. sanitary sewer system by
 - (1) identifying and making improvements,
 - (2) identifying and correcting lift station inadequacies,
 - (3) making improvements in reporting violations, and
 - (4) strengthening controls.

⁴ Compliance with this requirement does not preclude any enforcement activity as provided by the CWA for the underlying violation.

- ii. on-site sewage facilities⁵ by
 - (1) identifying and addressing failing systems, and
 - (2) addressing inadequate maintenance of these facilities.
- iii. illicit discharges and dumping by placing additional efforts into reducing waste sources of bacteria (e.g., septic systems, grease traps, and grit traps).
- iv. animal sources by expanding existing programs to identify and target potential sources (e.g., zoos, pet waste, horse stables, and livestock sale barns).
- v. residential education programs by increasing focus on
 - (1) bacteria discharging from residential sites either directly or during runoff events,
 - (2) fats, oils and grease clogging sanitary sewer lines and resulting in overflows,
 - (3) decorative ponds, and
 - (4) pet waste.
- 2. Where a discharge is already authorized under this permit and is later determined to cause, have the reasonable potential to cause, or contribute to the in-stream exceedance of an applicable water quality standard, DEQ will notify you. You must take all necessary actions to ensure that future discharges do not cause, have the reasonable potential to cause, or contribute to, in-stream exceedance of a water quality standard and must document these actions in the SWMP. If an exceedance remains or recurs, the coverage under this permit may be terminated by DEQ, and DEQ may require an application for coverage under an alternative general permit or an individual permit.

IV. B. Established Total Maximum Daily Load (TMDL) Allocations

Discharge of a pollutant into any water for which a TMDL or watershed plan in lieu of a TMDL for that pollutant has been either established or approved by the DEQ or the EPA is prohibited, unless the discharge is consistent with that TMDL or watershed plan.

- 1. SWMP Review and Modification: Your MS4 shall evaluate the existing SWMP in relation to the TMDL reduction goals. Any resulting modifications shall be implemented within two (2) years of the effective date of the TMDL and then as needed. At a minimum, your evaluation shall provide and identify each of the following items and information:
 - a. Provide a list of approved TMDLs or watershed plans applicable to your MS4's discharge(s), as well as any associated implementation plans.
 - b. Provide the WLA for each POC assigned to your discharge(s), as well as any other TMDL limitations, conditions, monitoring or other requirements applicable to the discharge(s).
 - c. Identify potential significant sources of POCs entering your discharge(s).
 - d. Identify opportunities to address the POCs identified within the TMDL or watershed plan and implement those changes. A justification shall be provided for any changes that are not made. At a minimum, your MS4 shall expand or modify the
 - i. existing public education programs to reduce the discharge of POCs,
 - ii. existing IDDE or DWFS programs to specifically address the POCs, and
 - iii. existing ordinances or other regulatory mechanisms to require the reduction or control of POCs, enforcement procedures for noncompliance, and develop additional ordinances, or other regulatory mechanisms, as necessary.

⁵ (for entities with appropriate jurisdiction)

- 2. TMDL Pollutant Reduction Plan: Your MS4 shall participate in a coordinated regional pollutant reduction plan or develop their own individual plan. The plan must incorporate all approved TMDLs addressing the MS4's stormwater discharge(s) and place emphasis on all the POCs associated with impairments. At a minimum, the plan shall provide the following items:
 - a. Develop a specific list of BMPs, including alternative BMPs, to be used in order to meet the requirements of the TMDL, watershed plan, and/or associated implementation plan. Summary information on some BMPs that may be considered for pollutant reduction can be found in the TMDL reports referenced in Table IV-1. Permittees are not limited to BMPs listed in these TMDL reports and should select BMPs appropriate to the local community that are expected to result in progress toward meeting the reduction goals established in the TMDL.
 - b. These BMPs shall be evaluated at least once per year to monitor or assess progress or effectiveness in reducing the discharge of POCs. The result of the evaluation shall be included in the annual report.
 - c. If a selected BMP does not achieve the measurable goal or reduce the discharge of POCs, an alternative BMP shall be implemented within three (3) years of determining a BMP is ineffective.
 - d. Implement a specific schedule for compliance with each TMDL or watershed plan to ensure that the WLA and/or associated implementation plan will be met within any timeframes established in the TMDL or watershed plan. The schedule shall specify annual pollutant load reductions and BMPs to make progress toward and ultimately achieve the measurable goal. The schedule shall include interim milestones that shall be evaluated every three (3) years.
 - e. If the POC is bacteria, the plan shall include BMPs that address all elements listed in Part IV(A)(1)(h)(i)-(v).
 - f. If your MS4 achieves compliance with an assigned WLA, at a minimum, you must continue to implement BMPs that are equivalent to those in effect at the time of compliance.
- 3. TMDL Pollutant Monitoring Plan: Your MS4 shall participate in a coordinated regional pollutant monitoring plan or develop their own individual plan. The plan should be designed to establish the effectiveness of the selected BMPs and demonstrate progress toward achieving the reduction goals of the TMDLs or watershed plans, and eventual attainment of water quality standards.
- 4. TMDL Baseline Monitoring Plan (Optional): Your MS4 may participate in a coordinated regional baseline monitoring plan or develop their own individual plan. The plan should be designed to determine the existing levels of POCs in your MS4's discharge(s) and identify high priority areas which may benefit from targeted BMPs.
- 5. Monitoring Requirements: At a minimum, the monitoring plan(s) shall provide
 - a. a detailed description of the program goals, monitoring plan, and sampling and analytical methods,
 - b. a list and map of the selected TMDL pollutant monitoring sites,
 - c. the frequency of data collection to occur at each station or site,
 - d. the parameters to be measured relevant to the TMDL(s), and
 - e. the Quality Assurance Project Plan that complies with EPA requirements.⁶
- 6. Annual Reporting: Your MS4 shall include a TMDL implementation report as part of your annual report. The TMDL implementation report shall include the status and actions taken to implement

⁶ EPA Requirements for Quality Assurance Project Plans (QA/R-5).

the TMDL pollutant reduction plan and monitoring program. The TMDL implementation report shall provide

- a. any relevant actions taken by the permittee that affect MS4 stormwater discharges to the waterbody segments that are the subject of the TMDL,
- b. the status of any applicable TMDL implementation schedule milestones,
- c. an evaluation of the effectiveness of the pollutant reduction plan and monitoring program to ensure progress toward attainment of water quality standards,
- d. an evaluation of the permittee's pollutant load contributions and reductions to demonstrate consistency with all approved TMDLs and progress toward meeting any reduction goals established in the TMDLs,
- e. an evaluation of the implemented BMPs to monitor or assess progress or effectiveness in reducing the discharge of POCs, and
- f. a summary of any revisions made to address applicable new or revised TMDLs or watershed plans that are approved after the effective date of this permit.
- 7. TMDL Implementation Schedule: The SWMP review and modification, TMDL pollutant reduction plan, and TMDL pollutant monitoring plan(s) shall be implemented as outlined in Table IV-1.

Option A Option B SWMP review and evaluation no more than two years from TMDL effective date TMDL pollutant baseline no more than three years from monitoring plan TMDL effective date no more than 5 years after no more than three years implementation of the baseline TMDL pollutant reduction plan from TMDL effective date monitoring plan no more than 5 years after no more than three years TMDL pollutant monitoring plan implementation of the baseline from TMDL effective date monitoring plan

Table IV-1 TMDL Implementation Schedule

8. Existing Approved TMDLs: The following table lists existing approved TMDLs at the time of permit issuance, which are affected by MS4 stormwater discharges. This permit serves as notification of the requirement to implement these TMDLs for the applicable MS4 discharges. DEQ will provide written notification to MS4 sources identified in these TMDLs that are not subject to this permit. Any new or revised TMDL or watershed plans affected by MS4 stormwater discharges that are approved after the effective date of this permit will be identified in the next permit cycle or modification.

Table IV-2 Existing Approved TMDLs Affected by MS4 Stormwater Discharges

Watershed Basin	TMDL Report	Identified MS4 Sources	Effective Date
Basin 1 Middle	Neosho River Basin Bacteria TMDLs-2008	Miami	June 1, 2022
Arkansas- Verdigris- Neosho	Lower Bird Creek Watershed Bacteria TMDLs-2011	Catoosa Broken Arrow Owasso	June 1, 2022

		Tulsa		
		Tulsa County		
		Bixby		
		Broken Arrow		
		Claremore		
	Arkansas River and Verdigris	Coweta		
	River Area-Bacteria and	Jenks	June 1, 2022	
	Turbidity TMDLs-2012	Muskogee		
		Sand Springs		
		Sapulpa		
		Tulsa		
		Bixby		
	Arkansas River and Haikey	Broken Arrow	J 1 2022	
	Creek Bacteria TMDLs-2008	Tulsa	June 1, 2022	
		Tulsa County		
		Choctaw		
		Del City		
		Midwest City		
		Moore		
	North Consdian Divon Augo	Mustang		
Basin 5	North Canadian River Area Bacteria TMLDs-2010	Nicoma Park	June 1, 2022	
Canadian-North		ODOT*		
Canadian-Deep		Oklahoma City		
Fork		Spencer		
		Tinker Airforce Base		
		Yukon		
	Lake Thunderbird Nutrient,	Moore		
	Turbidity, and Dissolved	Norman	June 1, 2022	
	Oxygen TMDLs-2013	Oklahoma City		
	Cimarron River Area Bacteria	Oklahoma City (with ODOT*		
Basin 6		as copermittee)	June 1, 2022	
Cimarron-	and Turbidity TMDLs-2012	The Village		
Upper Arkansas	Salt Fork of the Arkansas River Area Bacteria and	Ponca City	June 1, 2022	
	Turbidity TMDLs-2011	Tonou City	0 0 1 , 2 0 2 2	

^{*} Oklahoma Department of Transportation

IV. C. Discharges to Outstanding Resource Waters (ORWs)

Except for discharges of stormwater from temporary construction activities, new discharges located within the watershed of any waterbody designated Outstanding Resource Water (ORW) in Oklahoma's Water Quality Standards are not allowed and are not authorized by this permit. Discharges to ORW waters from MS4s existing as of June 25, 1992, are allowed but such stormwater discharges are prohibited from increased load of any pollutant. If any part of your MS4 discharges to an ORW waterbody, you must document in your SWMP how you will comply with this prohibition.

IV. D. Site-Specific Requirements (Reserved)

PART V: STORMWATER MANAGEMENT PROGRAM (SWMP)

V. A. Requirements

You must develop new elements, as needed, and continue to implement and enforce a written SWMP designed to reduce the discharge of pollutants from your MS4 to the MEP, to protect water quality, and to satisfy the appropriate water quality requirements of the CWA. The SWMP should include BMPs, control techniques and systems, design and engineering methods, an enforcement component and such other provisions as the Director determines appropriate for the control of such pollutants.

- 1. Renewal Permittees must review your SWMP and, if necessary, revise and update existing, and/or develop new, BMPs and measurable goals in your SWMP to meet the requirements of this permit or as required by the Director to ensure compliance with the CWA. Modifications and updates shall be reflected in your SWMP and implemented within two (2) years of the effective date of this permit and then as needed. You are required to keep the SWMP document up to date during the term of the permit. Compliance deadlines are not extended for small MS4s required to have obtained coverage under the 2015 OKR04 permit.
- 2. Newly Regulated Small MS4s must develop a written SWMP and include all applicable MCM requirements. You must define and list the BMPs that you or another entity will implement for each of the MCMs listed in Part V(C). You must provide program development, implementation and enforcement schedules for full implementation of the complete SWMP as soon as practicable, but no later than five (5) years from the effective date of this permit. Credible interim progress in developing and implementing SWMP elements must be made over the term of the permit.
- 3. Small MS4s Newly Designated after the Date of Permit Issuance must develop a written SWMP and include all applicable MCM requirements. You must define and list the BMPs that you or another entity will implement for each of the MCMs listed in Part V(C). You must provide program development, implementation and enforcement schedules for full implementation of the complete SWMP as soon as practicable, but no later than five (5) years from the effective date of this permit or according to the schedule that the Director specifies in the DEQ notification. Measurable interim progress in developing and implementing SWMP elements must be made over the term of the permit.
- 4. You must list and define measurable goals⁷ for BMPs that you, or another entity, will be implementing for each of the stormwater MCMs listed in Part V(C) and provide an explanation for how and why you selected each BMP and measurable goal for your SWMP. For each BMP, you must
 - a. include measurable goals,
 - b. identify the target audience(s) or participant(s),
 - c. include the months and years in which you will undertake required actions including interim milestones and the frequencies of the actions, and
 - d. identify who will be responsible for implementing or coordinating the BMPs for your SWMP.

Measurable goals that include these three components, and are easy to quantify, will allow both you and your permitting authority to assess progress at reducing pollutants to the MEP. You may use EPA's "Measurable Goals Guidance for Phase II Small MS4s" by visiting http://www.epa.gov/npdes/pubs/measurablegolas.pdf.

⁷ EPA strongly recommends that measurable goals include, where appropriate,

[•] the activity, or BMP, to be completed;

[•] a schedule or date of completion; and

[•] a quantifiable target to measure progress toward achieving the activity or BMP.

5. Implementation of one or more of your stormwater MCMs may be shared with another government entity or may be fully implemented by another government entity, but only if there is a written agreement that they will implement the MCM on your behalf. This written agreement must be maintained as part of your SWMP. If the other government entity agrees to report on an MCM, you must supply the other government entity with the reporting requirements contained in Part V(C). If the other government entity fails to implement the MCM on your behalf, then you remain responsible for compliance with permit obligations. You must modify your SWMP within one (1) year to address how you will implement the control measure and comply with permit requirements.

V. B. Required SWMP Updates

- 1. As determined by the Director, DEQ may require changes to be made to your SWMP to meet permit requirements. Such changes may be necessary to:
 - a. Address additional information related to receiving waters that have been adversely impacted by discharges from your MS4, or to discharges that have caused or contributed to or may have the reasonable potential to cause or contribute to a violation of a water quality standard.
 - b. Include more stringent requirements necessary to comply with new federal statutory or regulatory requirements.
 - c. Include other conditions to comply with the goals and requirements of the CWA, including TMDL requirements.
 - d. Include requirements based on information obtained by DEQ during routine MS4 evaluations, annual report review, or as otherwise determined by the Director.
- 2. Changes requested by the Director will be made in writing by DEQ, set forth a schedule for you to develop the changes, and offer you the opportunity to propose alternative SWMP changes to meet the objective of the requested modification. Within the schedule provided by DEQ, you must submit a copy of the revisions made to the SWMP.

V. C. Minimum Controls Measures (MCMs)

The six (6) MCMs that must be included in your SWMP are listed below. A seventh optional Control Measure is described in Part VIII. Each MCM must comply with the items included in the "Permit Requirements" section. You are encouraged to consider incorporating the "Permit Recommendations" into your program, but they are not mandatory. Each MCM will require you to review and revise your existing program, as necessary. Any revisions shall be completed within two (2) years of the effective date of this permit, then as needed. You must develop new elements, as necessary, and continue to implement and enforce the existing program.

Newly regulated small MS4s, or small MS4s designated after the date of permit issuance, must develop a schedule for full implementation of the MCM program(s) as soon as practicable, but no later than five (5) years from the effective date of this permit or according to the schedule that the Director may specify.

1. MCM 1: Public Education and Involvement

a. <u>Permit Requirements</u>: Implement a program to distribute information and educational materials to the community and MS4 staff, or conduct equivalent outreach activities to promote behavior changes to reduce pollutants in stormwater runoff and eliminate illicit

discharges. The activities shall be tailored using a mix of locally appropriate strategies to target specific audiences and communities.

- i. Include education and involvement efforts for target audiences.
 - (1) Traditional municipalities such as cities, counties, etc., must address the general public being served by the MS4.
 - (2) Non-traditional municipalities such as universities, hospital complexes, prisons, special districts, and federal facilities, etc., must address the community served by the MS4. For example, at a university it would be the faculty, other staff, students, and visitors. At a military base, it would include military personnel, their dependents, contractors, employees, tenants, visitors, etc.
 - (3) Departments of Transportation must address the community working on and/or served by the transportation network within the MS4 including employees, contractors, and the general public.
- ii. Public education and involvement activities may include those listed in Table V-1. At a minimum, public education and involvement activities shall be conducted as outlined in Table V-2.
 - (1) In coordination with MCM 2
 - (a) implement an education program to involve local industries, and
 - (b) conduct staff training to address requirements for inspection and enforcement of BMPs such as minimizing exposure, good housekeeping, preventive maintenance, spill prevention and response, and erosion and sediment controls at industrial facilities.
 - (2) In coordination with MCM 3
 - (a) implement an education program to involve public employees, businesses, and the general public make them aware of hazards associated with illegal discharges and improper disposal of waste;
 - (b) promote, publicize and facilitate the reporting of illicit discharges; and
 - (c) conduct staff training to identify and report illicit discharges.
 - (3) In coordination with MCM 4
 - (a) implement an education program to involve local developers,
 - (b) implement and enforce procedures for receipt and consideration of information submitted by the public, and
 - (c) conduct staff training to address requirements for inspection and enforcement of erosion and sediment control measures once construction begins.
 - (4) In coordination with MCM 5, implement an education program to involve developers and the public and make them aware of project designs that minimize water quality impacts, including LID strategies.
 - (5) In coordination with MCM 6, conduct staff training to prevent and reduce stormwater pollution from MS4 activities.
- iii. Include a process by which public comments on the SWMP are received and reviewed by the person(s) responsible for the SWMP.
- iv. Comply with state and local public notice requirements when implementing your program.
- v. You must make your records, including the NOI and SWMP, available to the public.
- vi. If you discharge to waters identified on the latest 303(d) list of impaired waters, your program must be directed toward targeted groups of commercial, industrial and

institutional entities likely to have significant stormwater impacts on your impaired waters.

Table V-1 Public Education and Involvement Activities

Public Education Activities	Public Involvement Activities
-brochures/pamphlets	-waterway/watershed clean-up or trash removal
-displays/posters/kiosks	event
-local public service	-contests
announcements	-household hazardous waste collection event
-newspaper articles/press releases	-involvement in development of MS4 SWMP
-publication of MS4 annual report,	-meetings (e.g. public hearing, council meeting,
SWMP, or ordinances	citizen committee meeting, etc.)
-signage	-school programs
-storm drain markings	-special events/fairs
-utility bill insert or other mailing	-targeted group training
-videos	-volunteer event
-website	-water monitoring event
	-workshop

Table V-2 Minimum Public Education and Involvement Activities Per Year

	Coordinating MCM And Description	Category 1	Category 2	Category 3
1	public education	2 activities per year	4 activities per year	4 activities per year
1	public involvement	1 activity per year	2 activities per year	2 activities per year
2	outreach or educational activity for industrial runoff			once every two years
2	staff training		-1	once every two years
3	outreach or educational activity for illicit discharge	once every two years	once per year	once per year
3	staff training	once every two years	one per year	once per year
4	outreach or educational activity for construction runoff	once every two years	once per year	once per year
4	staff training	once every two years	one per year	once per year
5	public education for post- construction runoff	once every two years	once per year	once per year
6	staff training	once every two years	one per year	once per year

b. <u>Permit Recommendations</u>: The goal of this MCM is to inform your community about the importance of reducing pollutants in stormwater runoff and to encourage their active

participation. There are a variety of practices that could be incorporated into a public education, outreach, and involvement program.

- Use stormwater educational materials developed locally or provided by EPA, states, MS4s and other organizations.
- ii. Contact the Blue Thumb Program for assistance with your public education and involvement program that could include storm drain marking, assistance with newsletters and brochures, planning of civic events, and borrowing Blue Thumb educational tools for local events. Contact Blue Thumb or find out details about their program at the addresses below:
 - Oklahoma Conservation Commission, Statewide Blue Thumb Program 128 East 3rd Avenue Bristow, OK 74010
 - http://www.ok.gov/conservation/Agency_Divisions/Water_Quality_Division/Blue_Thumb/index.html
- iii. Distribute stormwater messages to the public by using locally available methods such as brochures, factsheets, pamphlets, booklets, educational displays, bill inserts, promotional giveaways, workshops, social media, and local cable access channels on TV.
- iv. Provide information to homeowners on stormwater pollution prevention topics such as trash, recycling, landscaping, lawn care, pest control, pet waste management, household hazardous wastes, residential car washing and water conservation.
- v. Provide information to businesses on stormwater pollution prevention topics such as automobile maintenance, chemical storage and disposal, illicit discharges, erosion and sediment controls, and promoting LID.
- vi. Establish a citizen advisory group or utilize existing citizen organizations to participate in the development, implementation and revision of your SWMP. Make an effort to reach out and engage all economic and ethnic groups by involving them in public activities pertaining to your SWMP.
- vii. Conduct public meetings or citizen panels to allow people to discuss various viewpoints and provide input concerning appropriate stormwater management policies and BMPs.
- viii. Create opportunities for the public to participate in the implementation of stormwater controls.
 - (1) Encourage individuals or groups to conduct storm drain marking and/or participate in community programs such as "Adopt-A-Storm Drain." In this program, citizens keep storm drains free of debris and monitor what is entering local waterways through storm drains.
 - (2) Organize community clean-up activities along local waterbodies.
 - (3) Train citizen watch groups to aid local enforcement authorities in the identification of polluters.
 - (4) Develop a volunteer monitoring program. Volunteer water quality monitoring gives citizens first-hand knowledge of the quality of local waterbodies and provides a cost-effective means of collecting water quality data. Contact Blue Thumb for assistance with your volunteer monitoring program.

2. MCM 2: Industrial Stormwater Runoff Control

- a. <u>Permit Requirements</u>: Category 3 MS4s shall implement and enforce a program to prevent or reduce pollutants in any stormwater runoff to your MS4 from independently-owned industrial activities that discharge into your small MS4. At a minimum, the program requirements shall be consistent with the OKR05 General Permit for Stormwater Discharges from Industrial Activities (OKR05).
 - Maintain and annually update a list of industrial facilities that are subject to OKR05, or individual OPDES or NPDES permits for discharges of stormwater associated with industrial activity, that ultimately discharge to your small MS4.
 - ii. Implement and enforce an ordinance, or other regulatory mechanism, to the extent allowable under state or local law, to require BMPs that will minimize exposure, provide good housekeeping, preventive maintenance, spill prevention and response, and erosion and sediment controls, as well as sanctions to ensure compliance. Review and revise your existing ordinance to meet permit requirements. If you lack legal authority for direct enforcement action, you must include procedures to notify DEQ if a facility fails to comply with your program. You may rely on DEQ for assistance in enforcement of this provision of the permit in these cases.
 - iii. Implement and enforce procedures for site inspection and enforcement of control measures, including enforcement escalation procedures for recalcitrant or repeat offenders. Document inspection findings and take all necessary follow-up actions (i.e., re-inspection, enforcement) to ensure site compliance. At a minimum, site inspections shall be conducted at the frequencies outlined in Table V-3 below.

Table V-3 Minimum Number of Industrial Facilities Inspected Per Year

Number of Facilities Within MS4 Boundaries	Number of Facilities Inspected
< 50	20% per year ¹
≥ 50	10 per year

¹ The number of facilities inspected shall be rounded up to the nearest integer.

b. Permit Recommendations

- i. Use sanctions and enforcement mechanisms, including non-monetary penalties (such as stop work orders), fines, bonding requirements, legal action, and/or permit denials for non-compliance.
- ii. Expand your procedures for site inspection and enforcement to industrial sites that are not subject to the OKR05 permit.
- iii. Develop, implement, and enforce procedures for site plan review which incorporates considerations of potential water quality impacts and any other impacts that must be examined according to the requirements of the local ordinance or other regulatory mechanisms.

3. MCM 3: Illicit Discharge Detection and Elimination

a. <u>Permit Requirements</u>: Implement and enforce a program to detect and eliminate illicit discharges, including illegal dumping and on-site sewage disposal systems, into your small

- MS4. Your program must include dry weather field screening (DWFS), identify non-stormwater flows, and new elements should be developed and implemented as necessary. At a minimum, your program must adopt the following procedures:
- i. Identify priority areas including areas with a higher likelihood of illicit connections or discharges (e.g., areas with older sanitary sewer lines or with a history of sewer overflows or cross-connections; areas with older infrastructure that are more likely to have illicit connections; areas of industrial, commercial, or mixed use; areas with a history of past illicit discharges; areas with a history of illegal dumping or citizen complaints; and areas that discharge to ARCs or ORWs). Update this priority area list to reflect changing priorities annually.
- ii. Trace or investigate the source of an illicit discharge. The investigation shall take place within 72 hours of the receipt of any complaints, reports or monitoring information that indicates a potential illicit discharge.
- iii. Remove the source of the illicit discharge.
- iv. Identify problems using visual indicators and simple field test kits. Laboratory methods can be reserved for situations where you have identified a problem and need to enforce on a suspected illicit discharger.
- v. At a minimum, DWFS shall be conducted at the frequency outlined in Table V-4 below.

	Category 1	Category 2	Category 3
DWFS at all identified outfalls	20% per year ¹	40% per year ¹	40% per year ¹
DWFS at high priority areas	once per year	once per year	once per year

Table V-4 Minimum Frequency of Dry Weather Field Screening

- vi. Implement and enforce an ordinance, or other regulatory mechanism, to the extent allowable under state or local law, to effectively prohibit illicit discharges into your small MS4 and implement appropriate enforcement procedures and actions. If you lack legal authority for direct enforcement action, you must include procedures to notify DEQ when a party fails to comply with the requirements. If your ordinance or regulatory mechanism is already developed, include a copy of the relevant sections with your illicit discharge detection and elimination program.
- vii. Maintain and annually update a storm sewer system map showing the locations of all outfalls and the names and locations of all waters of the state that receive discharges from those outfalls.
- viii. Maintain and annually update a list of occasional incidental non-stormwater discharges or flows as allowed in Part II(B)(2) that will not be addressed as illicit discharges.

b. Permit Recommendations

- i. Implement a written spill response and prevention plan to ensure the appropriate actions will take place when a spill occurs within your small MS4.
- ii. Expand your plan to detect and address illicit discharges to your system to include sanitary sewer overflows, a used oil recycling program, and trash and debris

¹ The number of outfalls screened shall be rounded up to the nearest integer.

management. You may use EPA's illicit discharge detection and elimination manual to develop or revise your plan. You can download the document from the following EPA website: https://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=20017KFK.txt.

4. MCM 4: Construction Site Stormwater Runoff Control

- a. <u>Permit Requirements</u>: Implement and enforce a program to reduce pollutants in any stormwater runoff to your MS4 from construction activities. At a minimum, the program requirements shall be consistent with the OKR10 General Permit for Stormwater Discharges from Construction Activities (OKR10).
 - i. Implement and enforce an ordinance, or other regulatory mechanism, to the extent allowable under state or local law, to require erosion and sediment controls as well as sanctions to ensure compliance. Review and revise your existing ordinance to meet the permit requirements. If you lack legal authority for direct enforcement action, you must include procedures to notify DEQ if a construction site operator fails to comply with your construction site stormwater runoff control program. You may rely on DEQ for assistance in enforcement of this provision of the permit in these cases.
 - ii. Implement and enforce procedures for site plan review which incorporate consideration of potential water quality impacts including erosion and sediment controls, controls of other wastes, and any other impacts that must be examined according to the requirements of the local ordinance or other regulatory mechanism.
 - iii. Implement and enforce procedures for site inspection and enforcement of control measures including enforcement escalation procedures for recalcitrant or repeat offenders. Document inspection findings and take all necessary follow-up actions (i.e., re-inspection, enforcement) to ensure site compliance. At a minimum, site inspections shall be conducted at the frequencies outlined in Table V-5 below.

Table V-5 Minimum Frequency of Construction Site Inspections

	Category 1	Category 2	Category 3
Sites that are greater than 40 acres	once per quarter	once per month	once per month
Sites that discharge to a waterbody that is identified as impaired ¹	once per quarter	once per month	once per month
Sites that discharge to a waterbody with an established TMDL	once per quarter	once per month	once per month
Sites that have been identified as a threat to water quality (e.g. sites with recalcitrant or repeat offenders)	once per quarter	once per month	once per month
All other sites	at least once during active construction	once per quarter ²	once per quarter ²

¹ Sites that discharge within 1 stream mile of a waterbody that is impaired for sediment or turbidity.

²You may develop and implement procedures and criteria for reducing the inspection frequency. However, at a minimum, sites shall be inspected at least once during active construction. Such procedures and criteria shall be documented in your SWMP.

b. Permit Recommendations

- i. Use sanctions and enforcement mechanisms, including non-monetary penalties (such as stop work orders), fines, bonding requirements, legal action, and/or permit denials for non-compliance.
- ii. Offer incentives for developers to incorporate LID such as expedited permit review, reduced application fees and public recognition.
- iii. Expand your procedures for site plan review, site inspection and enforcement to sites that are not subject to OKR10.

5. MCM 5: Post-Construction Management in New Development and Redevelopment

- a. <u>Permit Requirements</u>: Implement and enforce a program to address stormwater runoff from new development and redevelopment projects that disturb greater than or equal to one (1) acre, including projects less than one (1) acre that are part of a larger common plan of development or sale, that discharge into your small MS4. Your program must maintain pre-development runoff conditions and ensure that controls are in place that would prevent or minimize water quality impacts.
 - i. Implement and enforce an ordinance, or other regulatory mechanism, to the extent allowable under state or local law, to require the use of BMPs, with highest preference given to LID techniques and practices, to address post-construction runoff from new development and redevelopment projects.
 - ii. Implement and enforce procedures, such as ordinances or other regulatory mechanisms, to ensure adequate long-term operation and maintenance of BMPs that are installed during and left in place after the completion of a construction project. Maintenance may be conducted by the MS4 or by the owner/operator of the BMP(s). For this part, the owner/operator is the party with control over operational and maintenance activities of the BMP(s), including home owner associations (HOAs), commercial and industrial entities. Owners of individual residential properties, which serve as the owner's primary residence, may be excluded.
 - iii. Review local ordinances, regulations, and engineering plans or specifications to identify any legal/regulatory barriers to LID as well as opportunities to promote LID. Develop a schedule to remove those barriers and implement identified opportunities. If a barrier is not removed or an opportunity is not implemented, provide a justification. You may use the EPA Water Quality Scorecard as a guide. You can download the document from the following **EPA** website: https://19january2017snapshot.epa.gov/sites/production/files/2014-04/documents/water-quality-scorecard.pdf.
 - iv. Assess current street design, parking lot guidelines, and other requirements that affect the creation of impervious cover and implement additional guidelines or design standards to support LID design options. Provide a justification if additional guidelines are not implemented.

b. Permit Recommendations

 Promote non-structural/structural BMPs which are appropriate for the local community, minimize water quality impacts and attempt to maintain predevelopment runoff conditions in your new development and redevelopment post-

- construction management program. These BMPs include post-construction plan review, green roofs, green parking, narrower residential streets, open space design, protection of natural features, riparian/forested buffer, street design and patterns, grassed swales, infiltration basin/trench, porous pavement, bioretention/rain gardens, catch basin inserts, vegetated filters, and stormwater wetland/wet ponds.
- ii. Consider requirements and standards to direct growth to identified areas, protect sensitive areas such as wetlands and riparian areas, maintain and/or increase open space (including a dedicated funding source for open space acquisition). Provide buffers along sensitive waterbodies, minimize impervious surfaces, and minimize disturbance of soils and vegetation. Encourage infill development in higher density urban areas, and areas with existing storm sewer infrastructure. Consider adopting and implementing LID practices through an ordinance or other regulatory mechanism.
- iii. Complete an inventory of impervious areas (such as conventional pavements, sidewalks, driveways, roadways, parking lots and rooftops) and directly connected impervious areas (portion of impervious area with a direct hydraulic connection to the receiving waters via continuous paved surfaces, gutters, pipes and other impervious features). Based on the results of the inventory, determine the areas that may have the potential to be retrofitted with BMPs (such as LID) designed to reduce the frequency, volume and peak intensity of stormwater runoff to and from your MS4.
- iv. Use measures such as minimization of the percentage of impervious area after development, minimization of directly connected impervious areas, and source control measures such as good housekeeping, preventive maintenance and spill prevention.
- v. Use structural BMPs, as appropriate, that may include
 - (1) storage practices such as wet ponds and extended-detention outlet structures;
 - (2) filtration practices such as grassed swales, bioretention cells, sand filter and filter strips; and
 - (3) infiltration practices such as basins and trenches.
- vi. Within your required long-term operation and maintenance program, consider including pre-construction review of BMP designs, inspections during construction to verify BMPs are built as designed and penalty provisions for noncompliance. Options to help ensure that future operation and maintenance responsibilities are clearly identified include a written agreement between you and another party such as the post-development landowners or regional authorities.
- Vii. Use incentives to encourage interest in LID, such as increased densities, reduced review time/expedited review time, tax incentives, reduced application fees, public recognition, dedicated review team, flexibility in design restrictions, adjustments to required parking, lower stormwater fees, new fee structure and reduced conventional stormwater requirements.

6. MCM 6: Pollution Prevention/Good Housekeeping for MS4 Operations

a. <u>Permit Requirements</u>: Implement and enforce an operation and maintenance program that includes a training component and has the ultimate goal of preventing or reducing pollutant runoff from MS4 operations such as streets, roads, highways, parking lots, maintenance and storage yards, fueling areas, waste transfer stations, fleet or maintenance shops, salt/sand storage locations and snow disposal areas.

- i. Maintain and annually update an inventory of all your MS4 operations that are impacted by this program.
- ii. Maintain and annually update a list of industrial facilities you own or operate that are subject to the OKR05, or individual OPDES or NPDES permits for discharges of stormwater associated with industrial activity, that ultimately discharge to your small MS4. Include the authorization number or a copy of the industrial NOI form for each facility.
- iii. Implement and enforce procedures for controlling, reducing or eliminating the discharge of pollutants. At a minimum, you must proceed as follows:
 - (1) Require implementation of BMPs,⁸ including sediment and erosion controls during
 - (a) routine maintenance,
 - (b) water line breaks and emergency repairs, and
 - (c) after line breaks, emergency repairs, and routine maintenance have been completed. Stabilization measures shall be implemented within fourteen (14) calendar days of completion.⁹
 - (2) Ensure that vehicle wash waters are not discharged into the MS4 or waters of the state.
- iv. Implement and comply with procedures to ensure that new flood management projects are assessed for impacts on water quality.
- v. Any contractors hired to perform maintenance activities on MS4 facilities must be contractually required to comply with all of your stormwater control measures, good housekeeping practices and facility-specific stormwater management operating procedures. The MS4 shall provide oversight to ensure these contractual obligations are met.
- vi. Implement and enforce procedures for inspection and maintenance of structural and non-structural BMPs, including maintenance activities, maintenance schedules and long-term inspection procedures for controls to reduce floatables and other pollutants discharged to your small MS4. At a minimum, inspections shall be conducted at the frequencies outlined in Table V-6 below.

Table V-6 Minimum Frequency of Inspections at Facilities Subject to MCM 6

	Category 1	Category 2	Category 3
Site inspections at MS4 facilities subject to the OKR05 or individual OPDES or NPDES permit	once per quarter	once per quarter	once per quarter
Site inspections at other MS4 facilities impacted by this program	once per year	once per year	once per year

b. Permit Recommendations

i. Establish procedures for proper use, storage, and disposal of both petroleum and nonpetroleum products at schools, town offices, police and fire stations, pools, parking

⁸ Ensure appropriate actions are taken that may be necessary to ensure public health and safety.

⁹ Complete the installation of stabilization measures as soon as practicable, but no later than 14 calendar days after stabilization measures have been initiated or 7 calendar days if you discharge to an impaired waterbody, ORW or ARC.

- garages and other permittee-owned or operated buildings or utilities. Develop or continue to implement a Spill Response and Prevention Plan to ensure that appropriate actions will take place when a spill occurs within your small MS4.
- ii. Establish procedures for catch basin inspections, cleaning and repairs, and sweeping streets, sidewalks, and permittee-owned parking lots within your small MS4.

V. D. Reviewing and Updating the SWMP

- 1. You must conduct a review of your SWMP, at least annually, in conjunction with the preparation of the annual report required under Part VI(C).
- 2. Your SWMP shall be modified as needed during the life of this permit. Under the following circumstances, your modifications must provide the following additional information in your SWMP.
 - a. SWMP changes are required to comply with new requirements of this permit.
 - b. BMP(s) determined to be ineffective or infeasible must be replaced with one or more alternative BMP(s). Your modifications shall provide the following analysis of why the BMP(s) is/are technically or economically ineffective or infeasible:
 - Provide a description of your expectations for the effectiveness of the replacement BMP.
 - ii. Provide an analysis of why the replacement BMP is expected to achieve the goals of the BMP(s) to be replaced.

V. E. Transfer of Ownership or Operational Authority

The entity responsible for SWMP implementation must implement the SWMP for all new areas added to your portion of the MS4 (or for which you become responsible for implementation of stormwater quality controls) as soon as possible, but not later than one year from addition of the new areas. Implementation may be accomplished in a phased manner to allow additional time for controls that cannot be implemented immediately.

Within 90 days of a transfer of ownership, operational authority, or responsibility for SWMP implementation, you must have a plan for implementing your SWMP on all affected areas. The plan may include schedules for implementation. Information on all new annexed areas and any resulting updates required to the SWMP must be included in the annual report.

PART VI: MONITORING, RECORD KEEPING, AND REPORTING

VI. A. Monitoring

- 1. You must design your monitoring program to evaluate SWMP compliance, the appropriateness of identified BMPs, and progress toward achieving identified measurable goals. If you discharge to a water of the state for which a TMDL has been approved, you may have additional monitoring requirements under Part IV of this permit.
- 2. If you plan to conduct monitoring, you are required to comply with the following methods:
 - a. Representative monitoring requires that samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
 - b. Laboratory methods require analysis that must be conducted according to test procedures approved under 40 CFR §136.1 *et seq*.
- 3. Monitoring records must provide the
 - a. date, exact place, and time of sampling or measurements;
 - b. name(s) of the individual(s) who performed the sampling or measurements;
 - c. date(s) analysis was/were performed;
 - d. name(s) of the individual(s) who performed the analysis;
 - e. analytical techniques or methods used; and
 - f. results or observations of such analysis.
- 4. The reporting of monitoring results may be required by the Director to be submitted electronically on an Electronic Discharge Monitoring Report (e-DMR).

VI. B. Record Keeping

- 1. Retain records of all monitoring information and include all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, copies of e-DMRs, a copy of the OPDES permit, and records of all data used to complete the NOI for this permit, for a period of at least three (3) years from the date of the sample, measurement, report or application, or for the term of this permit, whichever is longer. This period may be extended by request of the Director at any time.
- 2. You must retain the SWMP required by this permit (including a copy of the permit language) at a location accessible to the Director. You must make your records, including the NOI and SWMP, available to the public.

VI. C. Annual Reports

If you implement your SWMP on a calendar year basis (January 1st through December 31st), you must submit your annual report by April 30th of the calendar year following the reporting period. If you implement your SWMP on a fiscal year basis (July 1st through June 30th), you must submit your annual report by October 31st of the fiscal year following the reporting period.

- 1. The content of the annual report shall provide all of the following information:
 - a. Report the status of your compliance with permit conditions, including an assessment of the progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP.
 - b. For each BMP identified in your SWMP, include an assessment of the
 - i. progress made toward achieving each measurable goal, and

- ii. appropriateness of the BMP.
- c. Report the results of information collected and analyzed, if any, during the reporting period, including monitoring data used to assess the success of the SWMP at reducing the discharge of pollutants to the MEP.
- d. Provide a summary of the stormwater activities you plan to undertake during the next reporting cycle (including an implementation schedule).
- e. Provide a summary of any proposed changes to your SWMP, including changes to any BMPs or any identified measurable goals that apply to the SWMP elements.
- f. Provide a description and schedule for implementation of any additional BMPs or monitoring that may be necessary to reduce/eliminate the discharges of the pollutant of concern into impaired waters on the 303(d) list.
- g. Provide a description and schedule for implementation of any additional BMPs or monitoring that may be necessary to ensure compliance with any applicable TMDL or watershed plan in lieu of a TMDL.
- h. Submit information on all new annexed areas and any resulting updates required to the SWMP.
- i. Provide notice that you are relying on another government entity to satisfy some of your permit obligations (if applicable) and a copy of the written agreement with that entity.
- 2. If the optional permit requirement for municipal construction activities is elected, you must also submit a progress report concerning the elected optional permit requirements. At a minimum you must submit the number of
 - a. active construction sites that are currently covered under the elected optional permit requirement,
 - b. construction projects that were started during the reporting period,
 - c. construction projects that were completed during the reporting period,
 - d. construction sites that were covered under the elected optional permit requirement that have reached final stabilization, and
 - e. inspections that were conducted.
- 3. Submit your report to the address, fax, or e-mail specified in Part III(F).

PART VII: STANDARD PERMIT CONDITIONS

VII. A. Duty to Comply

You must comply with all conditions of this permit insofar as those conditions are applicable to each permittee, either individually or jointly. Any violation of this permit constitutes a violation of the Oklahoma Pollutant Discharge Elimination System Act (OPDES), 27A O.S. § 2-6-206 *et seq.*, the CWA and regulations promulgated thereto. Furthermore, permit violations may be grounds for the issuance of an enforcement action, permit termination, revocation and reissuance, modification and/or denial of a permit renewal application. The OPDES Act and CWA also provide that any violation of this permit may subject the permittee to the following penalties:

- 1. Administrative penalties may be assessed up to \$10,000 per day per violation for each day during which the violations continue with a \$125,000 per violation maximum.
- 2. Civil penalties may be assessed up to \$10,000 per day per violation.
- 3. Criminal penalties may range from the minimum of \$2,500 to the maximum of \$2,000,000 with a maximum jail time of 30 years in the state penitentiary.
- 4. Penalties for permit fraud are subject to a maximum of \$20,000 and a maximum of 4 years in prison.

VII. B. Duty to Re-Apply

If you wish to continue an activity regulated by this permit after the expiration date of this permit, you must apply for, and obtain, a new permit.

VII. C. Continuation of the Expired General Permit

If this permit is not reissued or replaced prior to the expiration date, it will be administratively continued in accordance with the Administrative Procedures Act (APA) and remain in force and effect. Any permittee who was granted permit coverage prior to the expiration date will automatically remain covered by the continued permit until the earlier of

- 1. the reissuance or replacement of this permit, ¹⁰
- 2. the issuance of an individual permit for your discharges, or
- 3. a formal permit decision by the permitting authority not to reissue this permit.¹¹

VII. D. Need to Halt or Reduce Activity is Not a Defense

It shall not be a defense for you in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

¹⁰ At which time you must comply with the NOI conditions of the new permit to maintain authorization to discharge.

At which time you must seek coverage under an alternative general permit or individual permit.

VII. E. Duty to Mitigate

You must take all reasonable steps to minimize or prevent any discharge in violation of this permit that has a reasonable likelihood of adversely affecting human health or the environment.

VII. F. Duty to Provide Information

You must furnish to the Director, within a reasonable time, any information which the Director may request to determine whether cause exists for modifying, revoking, and reissuing, or terminating this permit or to determine compliance with this permit. You must also furnish to the Director, upon request, copies of records required to be kept by this permit.

VII. G. Other Information

If you become aware that you have failed to submit any relevant facts in your Notice of Intent (NOI) or submitted incorrect information in the NOI or in any other report to the Director, you must promptly submit or correct such facts or information.

VII. H. Signatory Requirements

- 1. All NOIs must be signed and certified.
 - a. For a corporation, the NOI must be signed and certified by a *responsible corporate officer*. For the purpose of the NOI, a *responsible corporate officer* is defined as follows:
 - i. The president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person that performs similar policy decision making functions for the corporation.
 - ii. The manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions which govern the operation of the regulated facility, including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations. The manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
 - b. For a partnership or sole proprietorship, the NOI must be signed and certified by a general partner or the proprietor, respectively.
 - c. For a municipality, state, federal, or other public agency, the NOI must be signed and certified by either a *principal executive officer* or ranking elected official. For purposes of the NOI, a *principal executive officer* of a federal agency is
 - i. the chief executive officer of the agency, or
 - ii. a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., Regional Administrator of EPA).
- 2. All NOTs, SWMPs, SWP3s, reports, certifications or other information required by this permit, and other information requested by the Director, shall be signed by a person described in Part

VII(H)(1) or by a *duly authorized representative* of that person.¹² A person is a *duly authorized representative* if the authorization

- a. is made in writing by a person described in Part VII(H)(1) and submitted to the Director, or
- b. specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of manager, operator, superintendent, or position of equivalent responsibility for environmental matters for the regulated entity.
- 3. If an authorization is no longer accurate because a different operator has the responsibility for the overall operation of the MS4, a new authorization satisfying the requirement of Part VII(H)(2) above must be submitted to the Director prior to or together with any reports, information, or notices of termination to be signed by an authorized representative.
- 4. Any person signing documents under terms of this permit shall make the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

VII. I. Property Rights

The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege, nor does it authorize any injury to private property nor any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

VII. J. Proper Operation and Maintenance

You must at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by you to achieve compliance with the conditions of this permit and with the conditions of your SWMP. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. Proper operation and maintenance requires the operation of backup or auxiliary facilities or similar systems, installed by you only when the operation is necessary to achieve compliance with the conditions of the permit.

VII. K. Inspection and Entry

You must allow the Director, or an authorized representative (including an authorized contractor acting as a representative of the Director), at reasonable times and upon the presentation of credentials and other documents as may be required by law, to do any of the following:

1. Enter the premises where a regulated facility or activity is located or conducted or where records must be kept under the conditions of this permit.

¹² Signed and dated written authorization must be included in your SWMP.

- 2. Access and copy any records that must be kept under the conditions of this permit.
- 3. Inspect any facilities, equipment (including monitoring and control equipment) and operations regulated or required under this permit.
- 4. Sample or monitor any substances or parameters at any location for the purposes of assuring permit compliance or as otherwise authorized by the CWA.

VII. L. Permit Actions

This permit may be modified, revoked and reissued, or terminated for cause. Your filing of a request for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

VII. M. Permit Transfers

This permit is not transferable to any person except after notice to the Director. The Director may require modification or revocation and reissuance of the permit to change the name of the permittee and incorporate such other requirements as may be necessary under the CWA.

VII. N. Anticipated Noncompliance

You must give advance notice to the Director of any planned changes in the permitted small MS4 or activity that may result in noncompliance with this permit.

VII. O. State Environmental Laws

- 1. Nothing in this permit shall be construed to preclude the institution of any legal action or relieve you from any responsibilities, liabilities, or penalties established pursuant to any applicable state law or regulation under the authority preserved by section 510 of the CWA (33 U.S.C. § 1370) and 40 CFR § 131.4.
- 2. No condition of this permit releases you from any responsibility or requirements under other environmental statutes or regulations.

VII. P. Severability

The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

VII. Q. Procedures for Modification or Revocation

Permit modification or revocation will be conducted according to OAC 252:606-1-3(b)(3), (4) adopting and incorporating by reference 40 CFR §§ 122.62-122.64, 124.5.

VII. R. Requiring an Individual Permit or Alternative General Permit

1. DEQ may require any person seeking authority under or authorized by this permit to apply for and/or obtain either an individual OPDES permit or an alternative OPDES general permit. Any

interested person may petition DEQ to take action under this paragraph. Where DEQ requires you to apply for an individual OPDES permit, DEQ will notify you in writing that a permit application is required. This notification shall include a brief statement of the reasons for this decision, an application form, a statement setting a deadline for you to file the application, and a statement that on the effective date of issuance or denial of the individual OPDES permit or the alternative general permit as it applies to the individual permittee, coverage under this general permit shall automatically terminate. DEQ may grant additional time to submit the application upon request of the applicant. If you fail to submit an individual OPDES permit application in a timely manner as required by DEQ under this paragraph, then the applicability of this general permit to you is automatically terminated at the end of the day specified by DEQ for application submittal. This paragraph does not apply to any person whom the Director determines was never eligible under Part II(A). The Director may also require a discharger to file for an individual permit prior to submission of a NOI.

- 2. Any permittee may request to be excluded from the coverage of this permit by applying for an individual permit. In such cases, you must submit an individual application in accordance with the requirements of 40 CFR § 122.33(b)(2), with reasons supporting the request, to the Director. The request may be granted by issuance of any individual permit or an alternative general permit if the reasons cited by you are adequate to support the request.
- 3. When an individual OPDES permit is issued to a discharger otherwise subject to this permit, or you are authorized to discharge under an alternative OPDES general permit, the applicability of this permit to the individual OPDES permittee is automatically terminated on the effective date of the individual permit or the date of authorization of coverage under the alternative general permit, whichever the case may be. When an individual OPDES permit is denied to an operator otherwise subject to this permit, or the operator is denied coverage under an alternative OPDES general permit, the applicability of this permit to the individual OPDES permittee is automatically terminated on the date of such denial, unless otherwise specified by the Director.

VII. S. Compliance Schedules

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

VII. T. Twenty-Four (24) Hour Reporting

- 1. You shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time you become aware of the circumstances. A written submission¹³ shall also be provided within 5 days of the time you become aware of the circumstances. The written submission shall contain a description of the
 - a. noncompliance and its cause;
 - b. period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and
 - c. steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.
- 2. You shall report the following information to DEQ within 24 hours
 - a. any unanticipated bypass which exceeds any effluent limitation in the permit,
 - b. any upset which exceeds any effluent limitation in the permit, and

¹³ DEQ may waive the written report on a case-by-case basis for reports if the oral report has been received within 24 hours.

c. any violation of a maximum daily discharge limitation for any of the pollutants listed by the DEQ in the permit to be reported within 24 hours.

PART VIII: OPTIONAL PERMIT REQUIREMENTS FOR MUNICIPAL CONSTRUCTION ACTIVITIES

The development of this optional provision for municipal construction activities is an alternative for the small MS4 operator seeking coverage under this permit. This provision does not apply to Oklahoma Turnpike Authority (OTA) or Oklahoma Department of Transportation (ODOT), who are also small MS4 operators. Additionally, contractors working for the small MS4 operator are not required to obtain separate authorization as long as the contractor does not meet the definition of "construction site operator" but does remain compliant with the conditions of this permit. Small MS4s that choose to develop this option will be authorized by this permit to discharge stormwater and certain non-stormwater from construction activities where the small MS4s are the "construction site operators." For small MS4s that choose to develop this measure, it shall be part of the SWMP submitted with the initial NOI.

- 1. If this optional provision is elected, you must comply as follows:
 - a. Maintain compliance with the terms and conditions of the most recent OKR10 General Permit for Stormwater Discharges from Construction Activities (OKR10), excluding NOI, NOT, and permit fee submittal requirements.
 - b. Update your SWMP to provide
 - i. a description of how construction activities will generally be conducted by the small MS4 including local conditions and other site-specific considerations,
 - ii. a description of how the small MS4 will implement the technology-based requirements to comply with Part III of the OKR10 permit,
 - iii. a description of how the small MS4 will ensure that the SWP3 requirements are properly implemented and maintained at the construction site or how the small MS4 will ensure that the contractors obtain a separate authorization for stormwater discharges from DEQ for each project, and
 - iv. the general SWP3 conditions and a procedure to include site-specific BMPs to account for local considerations.
- 2. If you choose not to develop this optional measure, then you must submit a NOI and seek coverage under the OKR10 permit.

EXHIBIT I: ENDANGERED AND THREATENED SPECIES AND THEIR CRITICAL HABITAT OF CONCERN

The Aquatic Resources of Concern (ARC) identified in this permit are current as of February 2021. For the most current list of ARCs, please refer to the DEQ GIS Map and Data Viewer (https://gis.deq.ok.gov/maps/).

- 1. Sensitive waters and watersheds for federally listed species, as defined by the U.S. Fish and Wildlife Service for the OPDES OKR04 permit for small MS4s
 - *Grand (Neosho) River* A 2-mile corridor (1 mile from each bank) of the main stem of the Grand (Neosho) River above its confluence with Tar Creek. This corridor includes portions of Ottawa and Craig Counties.
 - Cimarron River A 2-mile corridor (1 mile from each bank) of the main stem of the Cimarron River from the US Hwy-77 Bridge in Logan County upstream to and including Beaver County. This corridor includes river segments in Beaver, Harper, Kingfisher, Logan, Major, Woods, and Woodward counties.
 - **South Canadian River** A 2-mile corridor (one mile from each bank) of the main stem from the Eufaula Reservoir flood pool upstream to the northern border of Custer County. This corridor includes river segments in Blaine, Caddo, Canadian, Cleveland, Custer, Grady, Hughes, McClain, McIntosh, Pittsburg, Pontotoc, Pottawatomie, and Seminole counties.
 - *Muddy Boggy River* A 2-mile corridor (1 mile from each bank) of the main stem of the Muddy Boggy River which includes portions of Choctaw, Atoka, and Coal Counties.
 - *Kiamichi River* The watershed of the Kiamichi River is upstream from the Hugo Reservoir. This watershed includes portions of Choctaw, Pushmataha, Atoka, Pittsburg, Latimer, and Leflore Counties.
 - *Little River* The watershed of the Little River includes portions of Choctaw, LeFlore, Pushmataha and McCurtain Counties.
 - Glover River The watershed of the Glover River includes portions of Pushmataha and McCurtain Counties.
 - *Mountain Fork River* The watershed of the Mountain Fork River is above Broken Bow Reservoir and includes portions of Leflore and McCurtain Counties.
 - Northeast HUC-11 Watersheds The watersheds are identified by the following 11-digit Hydrologic Unit Codes: 11070206030, 11070206060, 11070207190, 11070208070, 11070209020, 11070209030, 11070209040, 11070209050, 11070209060*, 11070209070, 11070209100, 11070209110 and 11070209120. These watersheds include portions of Ottawa, Craig, Delaware, and Mayes Counties.
 - * This HUC does not contain a known Ozark cavefish cave. It was included because it is entirely surrounded by 11 digit HUCs with known Ozark cavefish caves; therefore, we assume that Ozark cavefishes likely occupy this portion of the watershed as well.
 - **Elk River** A 2-mile corridor (1 mile from each bank) of the Elk River which includes portions of Delaware County.
 - *Spring River* A 2-mile corridor (1 mile from each bank) of the Spring River which includes portions of Ottawa County.
 - *Verdigris River* A 2-mile corridor of the main stem from the dam of Lake Oologah to the confluence of the Arkansas River which includes river segments in Rogers, Wagoner, and Muskogee counties.

2. Sensitive waters and watersheds for State listed species, as defined by the Oklahoma Department of Wildlife Conservation for the OPDES OKR04 permit for small MS4s

Illinois River – A **10-mile** corridor (5 miles from each bank within the watershed) of the main stem of the Illinois River above Tenkiller Reservoir. This corridor includes portions of Cherokee, Delaware, and Mayes Counties.

Lee and Little Lee Creeks – The watershed of Lee Creek and Little Lee Creek which includes portions of Sequoyah and Adair Counties.

Note: No stormwater discharge-sensitive endangered or threatened species occur in the following counties: Alfalfa, Beckham, Carter, Cimarron, Comanche, Garfield, Garvin, Grant, Greer, Johnston, Kiowa, Lincoln, Murray, Nowata, Okfuskee, Oklahoma, Okmulgee, Rogers, Stephens, Texas, Washington, or Washita.

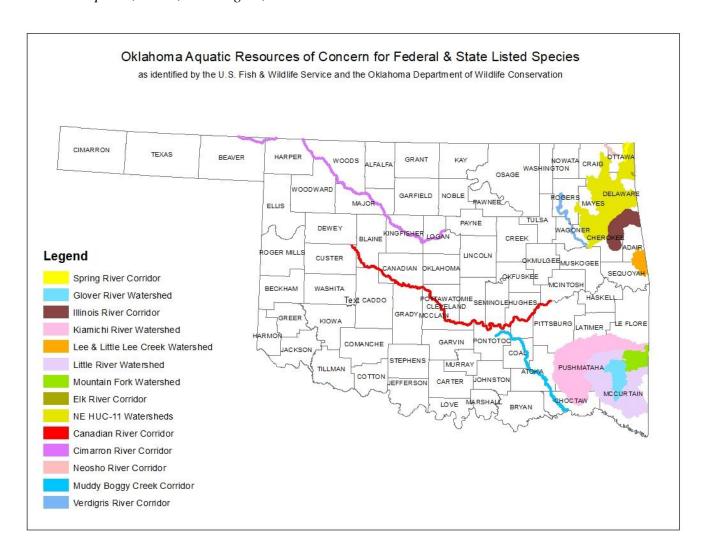


EXHIBIT II: MCM SUMMARY

A summary of MCM requirements is included in Table 2-1. For more detailed information on each MCM, please refer to Parts V(C) and VIII.

Table 2-1 MCM Summary

		Category 1	Category 2	Category 3		
MCM 1	General requirements	Implement and enforce a program to distormwater discharges to your MS4: 1) Education and involvement effort 2) In coordination with MCM 2 -implement an education and involvement staff training. 3) In coordination with MCM 3 -implement an education and involvement and facilitate resonduct staff training. 4) In coordination with MCM 4 -implement an education and involvement and enforce procedure and resonduct staff training. 5) In coordination with MCM 5 -implement an education and involvement and education a	<u> </u>	avior change to reduce pollutants in udience and es, business, and the general public; ement community, information submitted by the public, the public. TP. Atting your program. lic. rs, your program must be directed		
	Public education activities	2 activities per year	2 activities per year 4 activities per year 4 activities per year			
	Public involvement activities	1 activity per year	2 activities per year	2 activities per year		

	MCM Activity				once every	two years
	MCM 2	Staff training			once every	·
	MCM	Activity	once every two years	once per year	once p	er year
	MCM Staff training		once every two years	once per year	once po	er year
	MCM	Activity	once every two years	once per year	once p	er year
	4	Staff training	once every two years	once per year	once po	er year
	MCM 5	Activity	once every two years	once per year	once po	er year
	MCM 6	Staff training	once every two years	once per year	once po	er year
MCM 2		requirements			Implement and end prevent or redu stormwater runoff activities that dis MS4: 1) Maintain list of it 2) Implement and et 3) Implement and et for site inspection	ce pollutants in from industrial charge into your industrial facilities enforce ordinances
	with	r of facilities nin MS4 undaries			< 50	≥ 50 ¹
		r of facilities spected			20% per year	10 per year
MCM 3	General requirements Implement and enforce a program to detect and eliminate illicit discharges into your MS4: 1) Incorporate dry weather field screening (DWFS) procedures. 2) Implement and enforce ordinances. 3) Maintain a storm sewer system map. 4) Maintain a list of occasional incidental non-stormwater discharges.					

	DWFS at all identified outfalls	20% per year ¹	40% per year ¹	40% per year ¹	
	DWFS at high priority				
	areas	once per year	once per year	once per year	
	arcas	Implement and enforce a program to re	educe pollutants in stormwater runoff f	rom construction activities that	
		Implement and enforce a program to reduce pollutants in stormwater runoff from construction activities that discharge into your MS4:			
	General requirements	1) Implement and enforce ordinances.			
	3 0 1 1 0 1 0 1 1 0 1	2) Implement and enforce procedures	for site plan review.		
		3) Implement and enforce procedures			
	Sites that are greater			0.0 0.0 mon month	
	than 40 acres	once per quarter	once per month	once per month	
	Sites that discharge to				
4	a waterbody that is	once per quarter	once per month	once per month	
MCM	identified as impaired ²				
MC	Sites that discharge to				
	a waterbody with an	once per quarter	once per month	once per month	
	established TMDL				
	Sites that have been				
	identified as a threat	once per questes	ones per month	ongo por month	
	to water quality (i.e. sites with recalcitrant	once per quarter	once per month	once per month	
	or repeat offenders)				
	=	at least once during active	2	2	
	All other sites	construction	one per quarter ³	once per quarter ³	
		Implement and enforce a program to a	ddress stormwater runoff from new de	velopment and redevelopment projects	
N		that discharge into your MS4:		1 1 0	
	General requirements	1) Implement and enforce ordinances.			
MCM	General requirements	2) Implement and enforce procedures to ensure adequate long-term operation and maintenance of BMPs.			
		3) Identify and remove legal/regulatory barriers to LID; identify and implement opportunities to implement LID.			
		4) Assess street and parking lot designs/guidelines and implement LID options.			
,_		Implement and enforce an operation ar	nd maintenance program to prevent or	reduce pollutant runoff from MS4	
MCM 6		operations:			
C	General requirements	1) Maintain an inventory of MS4 opera			
Z		2) Maintain a list of MS4 facilities sub		0. 11	
		3) Implement and enforce procedures t	to control, reduce, or eliminate dischar	ge of pollutants from MS4 operations.	

		 4) Implement and enforce procedures to ensure new flood management projects are assessed for impacts on water quality. 5) Implement contractor requirements and oversight. 6) Implement and enforce procedures for inspection and maintenance for BMPs. 			
	Site inspections at MS4 facilities subject to the OKR05 or individual OPDES or NPDES permit	once per quarter	once per quarter	once per quarter	
	Site inspections at other MS4 facilities impacted by this program	once per year	once per year	once per year	

¹ The number of facilities inspected or outfalls screened shall be rounded up to the nearest integer.
² Sites that discharge within 1 stream mile of a waterbody that is impaired for sediment or turbidity.

³ You may implement procedures and criteria for reducing the inspection frequency. However, at a minimum, sites shall be inspected at least once during active construction. Such procedures and criteria shall be documented in your SWMP.

EXHIBIT III: NOTICE OF INTENT

DEQ FORM 605-R04 November 1,

2020



Oklahoma Department of Environmental Quality Notice of Intent (NOI)

for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) under the OPDES General Permit OKR04

Submission of this NOI constitutes notice that the parties identified in Sections I and II of this form intend to be authorized by DEQ for stormwater discharges associated with MS4s. Becoming a permittee obligates such dischargers to comply with the terms and conditions of the OKR04 permit. To obtain an authorization from DEQ, this form must be complete with all the pertinent information.

All associated fees must be submitted with this NOI.

	All associated fees must	be submitted with th	iis NOI.		
□-NEW APPLICATION □-MODIFICATION or □-RENEWAL of current permit, authorization number: OKR04					
I. MS4 Information	Your MS4 jurisdiction shall cover the entire area within the corporate boundaries of the municipality if your city is not located entirely within an Urbanized Area.				
Name of MS4:				e operator of MS4:	
Address:				tate	
City:	State:	Zip Code:		_ County:	
Latitude:	Longitude:	Approximate area (sq. miles) of MS4:			
II. MS4 Contact Information					
Responsible Party:	Phone:				
Title:		Email:			
				Zip Code:	
Stormwater Program N			Phone:		
Title:		Email:		_	
Address:	Cit			Zip Code:	
Permit Fee Billing Con	ntact:		Phone:		
Title:		Email:			
Address:	Cit	y:	State: _	Zip Code:	
III. Co-Permittee Information					
Are you co-permitting with another entity? \square -No \square -Yes, complete the following:					
Co-Permittee:		Legal status of the operator of co-permittee:			
Mailing Address:		□-Federal □-State □-Private □-Municipal (public other than federal or state)			
City:	State:	Zip Code:		County:	
Latitude:	Longitude:	Certification by the co-permittee is required in Section IX.			
Stormwater Program N	ormwater Program Manager: Phone:				
Title:		Email:			

IV. Receiving Water Information	Use additional sheets of paper as needed				
Name of Receiving Waterbody	Is this waterbody impaired? If so, what are its impairments?	Is there a TMDL for that impairment?			
	□-Yes □-No	□-Yes □-No			
	□-Yes □-No	□-Yes □-No			
	□-Yes □-No	□-Yes □-No			
Do you discharge into an Outstanding Resource Water? □-Yes □-No					
V. Endangered Species Eligibility					
a. □-My MS4 is not located within any of the corridors of federal- and state-identified Aquatic Resources of Concern (ARC). b. □- Informal consultation with the USFWS, or a separate federal action, has addressed the effects of stormwater discharges from my MS4, or has resulted in a "no jeopardy" opinion or written concurrence that discharges are not likely to adversely affect any listed species or critical habitat. c. □-My MS4 is authorized under section 10 of the Endangered Species Act (ESA) and a copy of the authorization is attached. d. □-The discharges from my MS4 are not likely to adversely affect any listed species or critical habitat. e. □-My MS4 is relying on another permittee's certification of eligibility and agrees to comply with the conditions of that certification. VI. Optional Minimum Control Measure (MCM) 7 Will your MS4 utilize MCM 7 for municipal construction activities? □-No □-Yes VII. Required Attachments □-An updated map showing your MS4 boundaries □-Authorization under section 10 of the ESA or □-NA □-Application and permit fee or □-Invoice is needed for application and permit fee VIII. Reporting Period for Annual Report					
Will your MS4 report based on: □-Calendar year (January-December) or □-Fiscal year (July-June)					
IX. Certification					
accordance with a system designed to assure the Based on my inquiry of the person or persons information, the information submitted is, to the there are significant penalties for submitting violations.	ment and all attachments were prepared under hat qualified personnel properly gathered and evaluate who manage the system, or those persons directly be best of my knowledge and belief, true, accurate false information, including the possibility of fine Date:	luated the information submitted. tly responsible for gathering the c, and complete. I am aware that e and imprisonment for knowing			
Signature:	Title:				
Certification of Co-Permittee (if applicable)					
Print Name:	Date:				
Signature:	Title:				

DEQ FORM 605-R04

November 1, 2020



Instructions for Completing Notice of Intent (NOI)

for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) under the OPDES General Permit OKR04

Completing the NOI Form

To complete an NOI form, type or print in all of the appropriate places of the form. Check the appropriate box whether you are filing for a new application, a modification, or a renewal of your current permit. Enter your current authorization number if you are applying for permit modification or renewal.

I. MS4 Information

Provide the MS4 name, legal status, street address, latitude/longitude of the City Hall or approximate center of the MS4, and the approximate area, in square miles, of the MS4.

II. MS4 Contact Information

Provide the legal name, title, mailing address, phone number, and email for the following:

- 1) Responsible Party: the person meeting the definition as described in IX. Certification.
- 2) Stormwater Program Manager: the person primarily responsible for implementing the Stormwater Management Plan (SWMP) and ensuring compliance with the OKR04 general permit.
- 3) Permit Fee Billing Contact: the person primarily responsible for receiving invoices and/or submitting annual permit fees and/or permit application fees.

III. Co-Permittee Information

You may partner with other MS4s to develop and implement your SWMP. For each co-permittee, provide the name of the entity, legal status, street address, and latitude/longitude. In addition, include the legal name, mailing address, phone number, and email for the co-permittee's stormwater program manager.

IV. Receiving Water Information

Identify all of the waterbodies that receive stormwater discharges from your MS4. Check the appropriate box(es) if the receiving waterbody is listed in the DEQ Integrated Report for 303(d) impaired waterbodies or drains to a watershed with an approved Total Maximum Daily Load (TMDL) report. Identify the pollutant(s) for which the waterbody is impaired.

V. Endangered Species Eligibility

Complete this section by checking the box which applies to your MS4.

VI. Optional Minimum Control Measure (MCM) 7

Indicate if you will be implementing MCM 7 optional permit requirements for municipal construction activities.

VII. Required Attachments

Submit a copy of the following with your NOI:

- -an updated map showing your MS4 boundaries
- -a copy of your authorization under section 10 of ESA (if applicable) application and permit fee or indicate if an invoice is needed

VIII. Reporting Period for Annual Report

Indicate which reporting period your MS4 will be using for the annual report.

IX. Certification

The NOI must be signed by the responsible party as described below:

For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means: (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;

<u>For a partnership or sole proprietorship</u>: by a general partner or the proprietor, respectively; for limited liability companies (LLC), by an owner/managing member/partner;

For a municipality, state, federal, or other public facility: by either a principal executive officer or ranking elected official.

Where to File the NOI form:

Completed NOIs must be submitted to the following address:

Water Quality Division

Municipal Discharge & Stormwater Permitting Section Oklahoma DEQ

P.O. Box 1677

Oklahoma City, Oklahoma 73101-1677

Or fax it to: (405) 702-8101

Or email to: ms4permitting@deq.ok.gov

An NOI that is unsigned, incomplete, or does not have the required attachments will not be processed for permit coverage.

EXHIBIT IV: NOTICE OF TERMINATION

DEQ FORM

605-R04B

November 1, 2020



Oklahoma Department of Environmental Quality Notice of Termination (NOT)

for Stormwater Discharges Under an OPDES General Permit

Submission of this NOT form constitutes notice that the operator identified in Section II of this form no longer intends to be authorized to discharge stormwater under an OPDES General Permit. Authorization is not terminated until you are notified that all termination requirements have been met and your complete NOT has been processed by DEQ.

All necessary information must be provided on this form. See completing instructions on the back of this form.

Thi necessary information must be pr	Ovided on this form	n bee completing in	isti uctions on t	ne back of this form.			
I. Permit Information							
DEQ Authorization Number: OKI Reason for termination (check one only): ☐ A new owner or operator has taken over a permit coverage. ☐ OKR05: stormwater discharges associated of the operator of the operato	responsibility for the ed with industrial act been completed and ed with municipal se	e facility/site/project a tivity have ceased. all other requirement	es, including fina ystems (MS4s) l	al stabilization on all portions of th	ne).		
Operator:			Phone:				
Mailing Address:			Email:				
City:	State:	Zip Code:		County:			
III. Facility/Project/MS4 Information							
Facility/Project/MS4:			_ Latitude:				
Mailing Address:			Longitude:				
City:	State:	Zip Code:		County:			
IV. New Operator Information							
New Operator:			Phone:				
Mailing Address:			Email:				
City:	State:	Zip Code:		County:			
V. Certification							
I certify under penalty of law that all stormwheen eliminated, or that I am no longer the of this Notice of Termination I am no longer stormwater to waters of the state is unlawful by an OPDES permit. I also understand the any violations of this permit, the Clean Water Driet Normal	perator of the MS4, or authorized to disc l under the Clean Wo at the submission of er Act, and the Oklal	or that I have ceased of charge stormwater un- later Act and OAC 25. If this Notice of Termi homa Pollution Disch	operations at the nder this permi 2:606-1-3(b)(3) ination does not harge Eliminatio	e MS4. I understand that by submit it, and that discharging pollutant where the discharge is not author release an operator from liability on Act.	tting ts in ized		
Signature:		Т	itle:				

DEQ FORM

605-R04B

November 1, 2020



Instructions for Completing Notice of Termination (NOT)

for Stormwater Discharges Under an OPDES General Permit

When To File NOT Form:

The Permittee currently covered for stormwater discharges under an OPDES General Permit, must submit an NOT within 30 days if one or more of the following conditions have been met:

- A new owner or operator has taken over responsibility for the facility/project/MS4, and has submitted a separate Notice of Intent for permit coverage.
- OKR05: stormwater discharges associated with industrial activity have ceased.
- OKR10: all construction activities have been completed and all other requirements, including final stabilization on all portions of the site, have been met.
- OKR04: stormwater discharges associated with municipal separate storm sewer systems (MS4s) have ceased.
- You obtained coverage under an individual or alternative general permit for all stormwater discharges.

I. Permit Information

Provide the current OPDES General Permit number assigned to the facility/project/MS4 identified in Section II. Indicate your Reason for submitting this NOT by checking the appropriate box. If you have obtained coverage under an individual or alternative general permit, provide the permit number.

II. Operator Information

Provide the legal name of the company, firm, public organization or any other entity that operates the facility/site/MS4 described in this NOT. Provide the operator's phone number, mailing address, and email address.

III. Facility/Project/MS4 Information

Provide the legal name of the facility/project/MS4 and complete street address, including city, county state, and ZIP code. If the facility/project/MS4 lacks a street address, indicate the general location (e.g. intersection of State Highways 74 and 34).

Provide the latitude and longitude at the entrance or center of the facility/project, or the MS4's City Hall or approximate geographical center. Latitude and longitude can be obtained online at DEQ, USGS, or by using other mapping tools.

For OKR10 permittees, you must also include an updated map that shows all disturbed areas over the course of your construction project (i.e., aerial images or general site maps with project extents marked, including stabilized areas of concrete or asphalt batch plants, equipment staging yards, stockpiles, borrow areas, wash-out areas, etc.) with this form.

IV. New Operator Information

If applicable, provide the legal name of the company, firm, public

organization or any other entity that has assumed ownership for the facility/project/MS4 described in this NOT. Provide the phone number, complete physical address including city, state, ZIP code, and email address. If there is more than one new operator, use additional sheet(s) to include all the new operators' information. For OKR10 permittees, you are required to prepare a Notification of Change of Ownership (NCO) form for reach new owner and submit the NCO form to DEQ. NCO forms may be submitted at the time of change of ownership or with the NOT.

V. Certification

The NOT must be signed as follows:

For a corporation: by a responsible corporate officer. For the purpose of this Section, a responsible corporate officer means: (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;

<u>For a partnership or sole proprietorship</u>: by a general partner or the proprietor, respectively; for limited liability companies (LLC), by an owner/managing member/partner;

<u>For a municipality, state, federal, or other public facility</u>: by either a principal executive officer or ranking elected official.

Where to File a NOT form:

Completed NOTs must be submitted to the following address:

Stormwater Unit of ECLS Oklahoma DEQ P.O. Box 1677

Oklahoma City, Oklahoma 73101-1677

Or fax it to: (405) 702-6226

Or email to: ecls-stormwaterpermitting@deq.ok.gov

An unsigned or undated NOT form will not be processed for termination of permit coverage.

Appendix D Notice of Intent (NOI) and General Permit Authorization

DEQ FORM 605-R04

April 30, 2021



Oklahoma Department of Environmental Quality Notice of Intent (NOI)

for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) under the OPDES General Permit OKR04

Submission of this NOI constitutes notice that the parties identified in Sections I and II of this form intend to be authorized by DEQ for stormwater discharges associated with MS4s. Becoming a permittee obligates such dischargers to comply with the terms and conditions of the OKR04 permit. To obtain an authorization from DEQ, this form must be complete with all the pertinent information.

All associated fees must be submitted with this NOI.

	1 III ussociut	ea rees mast be s	abilitica wi	in this ivoi:		
□-NEW APPLICATION □-MODIFICATION or □-RENEWAL of current permit, authorization number: OKR04						
I. MS4 Information Your MS4 jurisdiction shall cover the entire area within the corporate boundaries of the municipality if your city is not located entirely within an Urbanized Area.						
Name of MS4:				Legal status of	the operator of MS4: □-State □-Private	
Address:					blic other than federal or state)	
				le:	County:	
Latitude:	Longitude: _		Approx	ximate area (sq.	miles) of MS4:	
II. MS4 Contact Info	rmation					
Responsible Party:				Phone:		
Title:			Email:			
Address:		City:		State:	Zip Code:	
Title:			Email:			
Address:		City:		State:	Zip Code:	
Permit Fee Billing Cor	ntact:			Phone:		
Title:			Email:			
Address:		City:		State:	Zip Code:	
III. Co-Permittee Info						
Are you co-permitting	with another entity	? □-No □-Y	es, comple	ete the following	g :	
Co-Permittee:					e operator of co-permittee: tate	
Mailing Address:					other than federal or state)	
City:		State:	Zip Cod	de:	County:	
Latitude:	_ Longitude:	Certification by the co-permittee is required in Section IX.				
Stormwater Program N	Manager:	Phone:				
Title:			Email:			

IV. Receiving Water Information	Use additional sheets of paper as needed					
Name of Receiving Waterbody	Is this waterbody impaired? If so, what are its impairments?	Is there a TMDL for that impairment?				
	□-Yes □-No	impairment:				
	103 110	□-Yes □-No				
	□-Yes □-No					
	2 100 2 100	□-Yes □-No				
	□-Yes □-No	□-Yes □-No				
Do you discharge into an Outstanding	Resource Water? □-Yes □-No					
Do you discharge into an Outstanding Resource Water? □-Yes □-No V. Endangered Species Eligibility						
	y of the corridors of federal- and state-ide	entified Aquatic Resources of				
Concern (ARC).	y of the confidors of federal and state for	infiled requare resources of				
	USFWS, or a separate federal action,	has addressed the effects of				
	or has resulted in a "no jeopardy" opinio					
•	ffect any listed species or critical habitat.					
c. □-My MS4 is authorized under s	ection 10 of the Endangered Species A	ct (ESA) and a copy of the				
authorization is attached.						
d. □-The discharges from my MS4 are	e not likely to adversely affect any listed sp	pecies or critical habitat.				
, ,	permittee's certification of eligibility and	d agrees to comply with the				
conditions of that certification.						
VI. Optional Minimum Control Mea	sure (MCM) 7					
Will your MS4 utilize MCM 7 for municipal construction activities? □-No □-Yes						
VII. Required Attachments						
□- An updated map showing your MS	4 boundaries					
□-Authorization under section 10 of the	ne ESA or □-NA					
□-Application and permit fee or □-In	voice is needed for application and permit	fee				
VIII. Reporting Period for Annual I	Report					
Will your MS4 report based on: □-Calendar year (January-December) or □-Fiscal year (July-June)						
IX. Certification						
with a system designed to assure that qualified inquiry of the person or persons who manage information submitted is, to the best of my know	t and all attachments were prepared under my dire personnel properly gathered and evaluated the in the system, or those persons directly responsible wledge and belief, true, accurate, and complete. I duding the possibility of fine and imprisonment for i	nformation submitted. Based on my for gathering the information, the am aware that there are significant				
Print Name:	Date:					
Signature:	Title:					
Certification of Co-Permittee (if applicable)						
Print Name:	Date:					
Signature:	Title:					

DEQ FORM 605-R04

April 30, 2021



Instructions for Completing Notice of Intent (NOI)

for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (MS4s) under the OPDES General Permit OKR04

Completing the NOI Form

To complete an NOI form, type or print in all of the appropriate places of the form. Check the appropriate box whether you are filing for a new application, a modification, or a renewal of your current permit. Enter your current authorization number if you are applying for permit modification or renewal.

I. MS4 Information

Provide the MS4 name, legal status, street address, latitude/longitude of the City Hall or approximate center of the MS4, and the approximate area, in square miles, of the MS4.

II. MS4 Contact Information

Provide the legal name, title, mailing address, phone number, and email for the following:

- 1) Responsible Party: the person meeting the definition as described in IX. Certification.
- 2) Stormwater Program Manager: the person primarily responsible for implementing the Stormwater Management Plan (SWMP) and ensuring compliance with the OKR04 general permit.
- 3) Permit Fee Billing Contact: the person primarily responsible for receiving invoices and/or submitting annual permit fees and/or permit application fees.

III. Co-Permittee Information

You may partner with other MS4s to develop and implement your SWMP. For each co-permittee, provide the name of the entity, legal status, street address, and latitude/longitude. In addition, include the legal name, mailing address, phone number, and email for the co-permittee's stormwater program manager.

IV. Receiving Water Information

Identify all of the waterbodies that receive stormwater discharges from your MS4. Check the appropriate box(es) if the receiving waterbody is listed in the DEQ Integrated Report for 303(d) impaired waterbodies or drains to a watershed with an approved Total Maximum Daily Load (TMDL) report. Identify the pollutant(s) for which the waterbody is impaired.

V. Endangered Species Eligibility

Complete this section by checking the box which applies to your MS4.

VI. Optional Minimum Control Measure (MCM) 7

Indicate if you will be implementing MCM 7 optional permit requirements for municipal construction activities.

VII. Required Attachments

Submit a copy of the following with your NOI:

-an updated map showing your MS4 boundaries

-a copy of your authorization under section 10 of ESA (if applicable) - application and permit fee or indicate if an invoice is needed

VIII. Reporting Period for Annual Report

Indicate which reporting period your MS4 will be using for the annual report.

IX. Certification

The NOI must be signed by the responsible party as described below:

For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means: (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;

<u>For a partnership or sole proprietorship</u>: by a general partner or the proprietor, respectively; for limited liability companies (LLC), by an owner/managing member/partner;

For a municipality, state, federal, or other public facility: by either a principal executive officer or ranking elected official.

Where to File the NOI form:

Completed NOIs must be submitted to the following address:

Water Quality Division

Municipal Discharge & Stormwater Permitting Section Oklahoma DEO

P.O. Box 1677

Oklahoma City, Oklahoma 73101-1677

Or fax it to: (405) 702-8101

Or email to: ms4permitting@deq.ok.gov

An NOI that is unsigned, incomplete, or does not have the required attachments will not be processed for permit coverage.

Appendix E Notice of Change (NOC) Documentation

Appendix F Year 1 Annual Report

Appendix G Year 2 Annual Report

Appendix H Year 3 Annual Report

Appendix H Year 4 Annual Report

Appendix I Year 5 Annual Report